**Raw versions of the SERS data for the hydrolysis reactions**

We attach 3 raw data for starting material and for each potential experiment.

Starting material-1



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 7993 | 945.3486 | 7922 | 1101.886 | 8423 | 1253.774 | 8834 | 1401.141 | 9148 | 1544.112 | 8282 | 1682.812 | 9043 | 1817.368 | 7636 |
| 785.3164 | 8071 | 946.5899 | 8019 | 1103.09 | 8421 | 1254.943 | 8812 | 1402.275 | 9008 | 1545.211 | 8284 | 1683.879 | 9082 | 1818.403 | 7586 |
| 786.5952 | 8083 | 947.8308 | 7988 | 1104.294 | 8397 | 1256.112 | 8814 | 1403.408 | 8850 | 1546.311 | 8350 | 1684.946 | 9133 | 1819.438 | 7560 |
| 787.8737 | 8134 | 949.0715 | 8034 | 1105.498 | 8340 | 1257.28 | 8822 | 1404.542 | 8779 | 1547.411 | 8434 | 1686.012 | 9137 | 1820.473 | 7561 |
| 789.1519 | 8132 | 950.312 | 7975 | 1106.702 | 8407 | 1258.447 | 8781 | 1405.675 | 8731 | 1548.51 | 8395 | 1687.079 | 9201 | 1821.507 | 7600 |
| 790.4297 | 8087 | 951.5521 | 8095 | 1107.905 | 8389 | 1259.615 | 8783 | 1406.808 | 8667 | 1549.609 | 8465 | 1688.145 | 9165 | 1822.541 | 7564 |
| 791.7073 | 8165 | 952.7919 | 8005 | 1109.108 | 8320 | 1260.782 | 8757 | 1407.94 | 8641 | 1550.707 | 8507 | 1689.211 | 9187 | 1823.575 | 7563 |
| 792.9846 | 8055 | 954.0314 | 7961 | 1110.311 | 8229 | 1261.949 | 8717 | 1409.072 | 8602 | 1551.806 | 8469 | 1690.276 | 9250 | 1824.609 | 7590 |
| 794.2616 | 8129 | 955.2707 | 8019 | 1111.514 | 8258 | 1263.116 | 8713 | 1410.204 | 8603 | 1552.904 | 8535 | 1691.342 | 9309 | 1825.643 | 7569 |
| 795.5383 | 8136 | 956.5096 | 8004 | 1112.716 | 8293 | 1264.283 | 8748 | 1411.336 | 8568 | 1554.002 | 8613 | 1692.407 | 9362 | 1826.676 | 7529 |
| 796.8146 | 8124 | 957.7483 | 7970 | 1113.918 | 8215 | 1265.449 | 8760 | 1412.467 | 8424 | 1555.1 | 8711 | 1693.471 | 9374 | 1827.709 | 7514 |
| 798.0907 | 8151 | 958.9867 | 7999 | 1115.119 | 8263 | 1266.615 | 8730 | 1413.598 | 8471 | 1556.197 | 8649 | 1694.536 | 9367 | 1828.742 | 7538 |
| 799.3665 | 8140 | 960.2248 | 8045 | 1116.321 | 8250 | 1267.78 | 8761 | 1414.729 | 8454 | 1557.294 | 8764 | 1695.6 | 9346 | 1829.774 | 7550 |
| 800.642 | 8108 | 961.4626 | 8088 | 1117.522 | 8200 | 1268.946 | 8816 | 1415.86 | 8477 | 1558.391 | 8766 | 1696.664 | 9442 | 1830.807 | 7557 |
| 801.9172 | 8068 | 962.7001 | 8060 | 1118.723 | 8264 | 1270.111 | 8824 | 1416.99 | 8441 | 1559.488 | 8794 | 1697.728 | 9509 | 1831.839 | 7567 |
| 803.1921 | 8102 | 963.9373 | 8009 | 1119.923 | 8347 | 1271.275 | 8867 | 1418.12 | 8476 | 1560.584 | 8928 | 1698.792 | 9578 | 1832.87 | 7475 |
| 804.4667 | 8125 | 965.1742 | 8011 | 1121.123 | 8296 | 1272.44 | 9005 | 1419.25 | 8412 | 1561.68 | 8853 | 1699.855 | 9623 | 1833.902 | 7456 |
| 805.741 | 8083 | 966.4108 | 8082 | 1122.323 | 8285 | 1273.604 | 8973 | 1420.38 | 8361 | 1562.776 | 8944 | 1700.918 | 9595 | 1834.933 | 7549 |
| 807.015 | 8092 | 967.6472 | 8058 | 1123.523 | 8352 | 1274.768 | 9102 | 1421.509 | 8333 | 1563.871 | 9093 | 1701.981 | 9647 | 1835.964 | 7507 |
| 808.2887 | 8079 | 968.8832 | 8054 | 1124.722 | 8336 | 1275.932 | 9048 | 1422.638 | 8374 | 1564.967 | 9048 | 1703.044 | 9715 | 1836.995 | 7546 |
| 809.5621 | 8070 | 970.119 | 8074 | 1125.921 | 8409 | 1277.095 | 9153 | 1423.767 | 8299 | 1566.062 | 9169 | 1704.106 | 9736 | 1838.026 | 7515 |
| 810.8352 | 8071 | 971.3544 | 8065 | 1127.12 | 8420 | 1278.259 | 9200 | 1424.895 | 8309 | 1567.156 | 9351 | 1705.168 | 9794 | 1839.056 | 7467 |
| 812.108 | 8052 | 972.5896 | 8061 | 1128.319 | 8483 | 1279.421 | 9219 | 1426.023 | 8288 | 1568.251 | 9582 | 1706.23 | 9823 | 1840.086 | 7513 |
| 813.3805 | 8036 | 973.8245 | 8136 | 1129.517 | 8452 | 1280.584 | 9205 | 1427.151 | 8286 | 1569.345 | 9790 | 1707.291 | 9714 | 1841.116 | 7545 |
| 814.6527 | 8082 | 975.0591 | 8103 | 1130.715 | 8420 | 1281.746 | 9238 | 1428.279 | 8272 | 1570.439 | 10080 | 1708.353 | 9704 | 1842.146 | 7543 |
| 815.9246 | 8058 | 976.2934 | 8085 | 1131.913 | 8351 | 1282.908 | 9227 | 1429.407 | 8274 | 1571.533 | 10317 | 1709.414 | 9632 | 1843.175 | 7486 |
| 817.1962 | 8074 | 977.5274 | 8114 | 1133.11 | 8340 | 1284.07 | 9275 | 1430.534 | 8263 | 1572.626 | 10738 | 1710.475 | 9502 | 1844.204 | 7461 |
| 818.4675 | 8051 | 978.7612 | 8079 | 1134.307 | 8291 | 1285.232 | 9306 | 1431.661 | 8282 | 1573.72 | 11372 | 1711.535 | 9480 | 1845.233 | 7527 |
| 819.7385 | 8121 | 979.9946 | 8130 | 1135.504 | 8211 | 1286.393 | 9419 | 1432.787 | 8300 | 1574.813 | 11938 | 1712.596 | 9391 | 1846.262 | 7507 |
| 821.0093 | 8078 | 981.2278 | 8115 | 1136.701 | 8230 | 1287.554 | 9473 | 1433.913 | 8304 | 1575.905 | 12849 | 1713.656 | 9246 | 1847.29 | 7545 |
| 822.2797 | 8119 | 982.4606 | 8213 | 1137.897 | 8151 | 1288.715 | 9457 | 1435.04 | 8322 | 1576.998 | 13937 | 1714.715 | 9199 | 1848.318 | 7552 |
| 823.5498 | 8097 | 983.6932 | 8151 | 1139.093 | 8189 | 1289.875 | 9555 | 1436.165 | 8232 | 1578.09 | 15223 | 1715.775 | 9087 | 1849.346 | 7536 |
| 824.8196 | 8101 | 984.9255 | 8139 | 1140.289 | 8211 | 1291.035 | 9610 | 1437.291 | 8244 | 1579.182 | 16579 | 1716.834 | 8987 | 1850.374 | 7485 |
| 826.0892 | 8125 | 986.1575 | 8259 | 1141.484 | 8161 | 1292.195 | 9637 | 1438.416 | 8277 | 1580.274 | 18584 | 1717.893 | 8888 | 1851.401 | 7543 |
| 827.3584 | 8152 | 987.3892 | 8153 | 1142.679 | 8224 | 1293.355 | 9643 | 1439.541 | 8335 | 1581.365 | 20347 | 1718.952 | 8785 | 1852.428 | 7455 |
| 828.6273 | 8135 | 988.6206 | 8209 | 1143.874 | 8159 | 1294.514 | 9708 | 1440.666 | 8420 | 1582.456 | 22123 | 1720.011 | 8741 | 1853.455 | 7550 |
| 829.896 | 8133 | 989.8517 | 8298 | 1145.069 | 8206 | 1295.673 | 9666 | 1441.79 | 8454 | 1583.547 | 23686 | 1721.069 | 8641 | 1854.482 | 7508 |
| 831.1643 | 8160 | 991.0825 | 8239 | 1146.263 | 8158 | 1296.832 | 9696 | 1442.915 | 8519 | 1584.638 | 24811 | 1722.127 | 8596 | 1855.508 | 7541 |
| 832.4324 | 8127 | 992.3131 | 8293 | 1147.457 | 8196 | 1297.99 | 9638 | 1444.039 | 8411 | 1585.728 | 24775 | 1723.185 | 8454 | 1856.535 | 7486 |
| 833.7001 | 8205 | 993.5433 | 8304 | 1148.651 | 8184 | 1299.148 | 9619 | 1445.162 | 8492 | 1586.818 | 23975 | 1724.242 | 8448 | 1857.561 | 7540 |
| 834.9676 | 8167 | 994.7733 | 8419 | 1149.844 | 8174 | 1300.306 | 9677 | 1446.286 | 8457 | 1587.908 | 22149 | 1725.3 | 8349 | 1858.586 | 7513 |
| 836.2347 | 8190 | 996.003 | 8537 | 1151.037 | 8259 | 1301.464 | 9808 | 1447.409 | 8505 | 1588.998 | 19757 | 1726.357 | 8320 | 1859.612 | 7532 |
| 837.5016 | 8256 | 997.2324 | 8500 | 1152.23 | 8336 | 1302.621 | 9758 | 1448.532 | 8526 | 1590.087 | 17744 | 1727.414 | 8252 | 1860.637 | 7440 |
| 838.7682 | 8281 | 998.4615 | 8591 | 1153.423 | 8359 | 1303.779 | 9734 | 1449.654 | 8480 | 1591.176 | 15753 | 1728.47 | 8175 | 1861.662 | 7531 |
| 840.0344 | 8341 | 999.6903 | 8687 | 1154.615 | 8370 | 1304.935 | 9760 | 1450.777 | 8479 | 1592.265 | 13902 | 1729.526 | 8171 | 1862.687 | 7498 |
| 841.3004 | 8439 | 1000.919 | 8689 | 1155.807 | 8480 | 1306.092 | 9776 | 1451.899 | 8492 | 1593.354 | 12694 | 1730.582 | 8063 | 1863.711 | 7475 |
| 842.5661 | 8451 | 1002.147 | 8764 | 1156.999 | 8502 | 1307.248 | 9805 | 1453.021 | 8491 | 1594.442 | 11767 | 1731.638 | 8096 | 1864.736 | 7484 |
| 843.8315 | 8586 | 1003.375 | 8885 | 1158.191 | 8572 | 1308.404 | 9826 | 1454.142 | 8561 | 1595.53 | 11033 | 1732.694 | 8072 | 1865.76 | 7470 |
| 845.0965 | 8660 | 1004.603 | 8933 | 1159.382 | 8605 | 1309.56 | 9810 | 1455.263 | 8480 | 1596.618 | 10558 | 1733.749 | 8001 | 1866.783 | 7449 |
| 846.3613 | 8771 | 1005.83 | 8817 | 1160.573 | 8692 | 1310.716 | 9761 | 1456.384 | 8478 | 1597.705 | 10196 | 1734.804 | 7932 | 1867.807 | 7425 |
| 847.6258 | 8868 | 1007.057 | 8987 | 1161.763 | 8614 | 1311.871 | 9641 | 1457.505 | 8410 | 1598.793 | 9983 | 1735.859 | 7934 | 1868.83 | 7512 |
| 848.89 | 8960 | 1008.284 | 8990 | 1162.954 | 8666 | 1313.026 | 9701 | 1458.626 | 8356 | 1599.88 | 9748 | 1736.913 | 7893 | 1869.853 | 7465 |
| 850.1539 | 8925 | 1009.51 | 9164 | 1164.144 | 8743 | 1314.18 | 9666 | 1459.746 | 8351 | 1600.966 | 9548 | 1737.968 | 7893 | 1870.876 | 7500 |
| 851.4175 | 8981 | 1010.737 | 9225 | 1165.334 | 8748 | 1315.335 | 9656 | 1460.866 | 8373 | 1602.053 | 9443 | 1739.022 | 7885 | 1871.899 | 7489 |
| 852.6808 | 8914 | 1011.963 | 9257 | 1166.523 | 8748 | 1316.489 | 9581 | 1461.986 | 8265 | 1603.139 | 9344 | 1740.076 | 7853 | 1872.921 | 7445 |
| 853.9438 | 8834 | 1013.188 | 9168 | 1167.713 | 8867 | 1317.643 | 9500 | 1463.105 | 8300 | 1604.225 | 9186 | 1741.129 | 7744 | 1873.943 | 7460 |
| 855.2065 | 8850 | 1014.414 | 8946 | 1168.902 | 9004 | 1318.796 | 9463 | 1464.224 | 8286 | 1605.311 | 9183 | 1742.182 | 7774 | 1874.965 | 7496 |
| 856.469 | 8779 | 1015.639 | 8693 | 1170.09 | 9125 | 1319.95 | 9393 | 1465.343 | 8215 | 1606.396 | 9085 | 1743.235 | 7796 | 1875.986 | 7511 |
| 857.7311 | 8725 | 1016.863 | 8667 | 1171.279 | 9253 | 1321.103 | 9250 | 1466.462 | 8240 | 1607.482 | 8988 | 1744.288 | 7756 | 1877.008 | 7452 |
| 858.9929 | 8763 | 1018.088 | 8570 | 1172.467 | 9266 | 1322.255 | 9194 | 1467.58 | 8321 | 1608.567 | 8982 | 1745.341 | 7776 | 1878.029 | 7449 |
| 860.2544 | 8788 | 1019.312 | 8473 | 1173.655 | 9446 | 1323.408 | 9108 | 1468.698 | 8300 | 1609.651 | 8968 | 1746.393 | 7693 | 1879.05 | 7481 |
| 861.5157 | 8816 | 1020.536 | 8497 | 1174.842 | 9532 | 1324.56 | 9063 | 1469.816 | 8373 | 1610.736 | 8846 | 1747.445 | 7748 | 1880.07 | 7451 |
| 862.7766 | 8730 | 1021.76 | 8397 | 1176.029 | 9598 | 1325.712 | 9068 | 1470.934 | 8417 | 1611.82 | 8771 | 1748.497 | 7717 | 1881.091 | 7417 |
| 864.0373 | 8652 | 1022.983 | 8340 | 1177.216 | 9564 | 1326.864 | 8969 | 1472.051 | 8483 | 1612.904 | 8795 | 1749.548 | 7736 | 1882.111 | 7476 |
| 865.2976 | 8599 | 1024.206 | 8318 | 1178.403 | 9499 | 1328.015 | 9011 | 1473.168 | 8523 | 1613.987 | 8770 | 1750.6 | 7701 | 1883.131 | 7423 |
| 866.5577 | 8491 | 1025.429 | 8272 | 1179.59 | 9354 | 1329.166 | 8971 | 1474.285 | 8702 | 1615.071 | 8742 | 1751.651 | 7761 | 1884.151 | 7436 |
| 867.8174 | 8545 | 1026.651 | 8262 | 1180.776 | 9147 | 1330.317 | 8973 | 1475.401 | 8797 | 1616.154 | 8706 | 1752.702 | 7736 | 1885.17 | 7504 |
| 869.0769 | 8330 | 1027.873 | 8321 | 1181.962 | 8961 | 1331.468 | 8932 | 1476.518 | 8985 | 1617.237 | 8682 | 1753.752 | 7708 | 1886.189 | 7503 |
| 870.3361 | 8283 | 1029.095 | 8277 | 1183.147 | 8811 | 1332.618 | 8851 | 1477.633 | 8980 | 1618.32 | 8700 | 1754.803 | 7699 | 1887.208 | 7486 |
| 871.5949 | 8148 | 1030.317 | 8363 | 1184.333 | 8603 | 1333.768 | 8876 | 1478.749 | 9014 | 1619.402 | 8552 | 1755.853 | 7720 | 1888.227 | 7448 |
| 872.8535 | 8123 | 1031.538 | 8360 | 1185.518 | 8492 | 1334.918 | 8896 | 1479.865 | 8902 | 1620.484 | 8576 | 1756.902 | 7665 | 1889.245 | 7471 |
| 874.1118 | 8151 | 1032.759 | 8386 | 1186.702 | 8369 | 1336.067 | 8847 | 1480.98 | 8828 | 1621.566 | 8554 | 1757.952 | 7685 | 1890.263 | 7461 |
| 875.3698 | 8035 | 1033.98 | 8487 | 1187.887 | 8267 | 1337.217 | 8893 | 1482.095 | 8577 | 1622.648 | 8521 | 1759.001 | 7739 | 1891.281 | 7467 |
| 876.6275 | 8143 | 1035.201 | 8500 | 1189.071 | 8252 | 1338.366 | 8868 | 1483.209 | 8536 | 1623.729 | 8501 | 1760.05 | 7655 | 1892.299 | 7419 |
| 877.8849 | 8060 | 1036.421 | 8503 | 1190.255 | 8240 | 1339.514 | 8810 | 1484.324 | 8359 | 1624.81 | 8461 | 1761.099 | 7646 | 1893.317 | 7456 |
| 879.142 | 7968 | 1037.641 | 8444 | 1191.439 | 8232 | 1340.663 | 8772 | 1485.438 | 8363 | 1625.891 | 8537 | 1762.148 | 7670 | 1894.334 | 7483 |
| 880.3988 | 7949 | 1038.86 | 8472 | 1192.622 | 8188 | 1341.811 | 8780 | 1486.552 | 8256 | 1626.972 | 8484 | 1763.196 | 7719 | 1895.351 | 7447 |
| 881.6553 | 8040 | 1040.08 | 8537 | 1193.805 | 8234 | 1342.959 | 8883 | 1487.666 | 8213 | 1628.052 | 8364 | 1764.244 | 7652 | 1896.368 | 7429 |
| 882.9115 | 8034 | 1041.299 | 8547 | 1194.988 | 8230 | 1344.106 | 8794 | 1488.779 | 8175 | 1629.132 | 8379 | 1765.292 | 7669 | 1897.384 | 7438 |
| 884.1675 | 7970 | 1042.517 | 8500 | 1196.171 | 8255 | 1345.254 | 8732 | 1489.892 | 8199 | 1630.212 | 8349 | 1766.339 | 7638 | 1898.4 | 7480 |
| 885.4231 | 8041 | 1043.736 | 8573 | 1197.353 | 8231 | 1346.401 | 8732 | 1491.005 | 8131 | 1631.292 | 8289 | 1767.387 | 7671 | 1899.417 | 7475 |
| 886.6785 | 8000 | 1044.954 | 8654 | 1198.535 | 8175 | 1347.547 | 8761 | 1492.117 | 8144 | 1632.371 | 8308 | 1768.434 | 7665 | 1900.432 | 7482 |
| 887.9335 | 8028 | 1046.172 | 8628 | 1199.717 | 8176 | 1348.694 | 8759 | 1493.23 | 8112 | 1633.45 | 8222 | 1769.481 | 7703 | 1901.448 | 7436 |
| 889.1882 | 8076 | 1047.389 | 8754 | 1200.898 | 8214 | 1349.84 | 8664 | 1494.342 | 8099 | 1634.529 | 8303 | 1770.527 | 7732 | 1902.463 | 7433 |
| 890.4427 | 7972 | 1048.607 | 8762 | 1202.079 | 8256 | 1350.986 | 8738 | 1495.453 | 8188 | 1635.607 | 8293 | 1771.574 | 7659 | 1903.478 | 7452 |
| 891.6969 | 8055 | 1049.824 | 8848 | 1203.26 | 8224 | 1352.132 | 8744 | 1496.565 | 8168 | 1636.686 | 8269 | 1772.62 | 7705 | 1904.493 | 7469 |
| 892.9507 | 8043 | 1051.04 | 8860 | 1204.441 | 8195 | 1353.277 | 8726 | 1497.676 | 8066 | 1637.764 | 8235 | 1773.666 | 7681 | 1905.508 | 7425 |
| 894.2043 | 8013 | 1052.257 | 9011 | 1205.621 | 8322 | 1354.422 | 8743 | 1498.787 | 8100 | 1638.841 | 8264 | 1774.711 | 7651 | 1906.522 | 7530 |
| 895.4576 | 8002 | 1053.473 | 9107 | 1206.801 | 8264 | 1355.567 | 8779 | 1499.898 | 8138 | 1639.919 | 8245 | 1775.756 | 7643 | 1907.536 | 7445 |
| 896.7106 | 7975 | 1054.689 | 9348 | 1207.981 | 8288 | 1356.712 | 8883 | 1501.008 | 8161 | 1640.996 | 8134 | 1776.802 | 7661 | 1908.55 | 7476 |
| 897.9633 | 8029 | 1055.905 | 9549 | 1209.16 | 8254 | 1357.856 | 8867 | 1502.119 | 8202 | 1642.073 | 8218 | 1777.846 | 7730 | 1909.564 | 7422 |
| 899.2157 | 7994 | 1057.12 | 9778 | 1210.339 | 8285 | 1359 | 8938 | 1503.228 | 8152 | 1643.15 | 8236 | 1778.891 | 7690 | 1910.577 | 7503 |
| 900.4678 | 8050 | 1058.335 | 9917 | 1211.518 | 8353 | 1360.144 | 8995 | 1504.338 | 8174 | 1644.227 | 8218 | 1779.935 | 7660 | 1911.59 | 7463 |
| 901.7196 | 7968 | 1059.55 | 10305 | 1212.697 | 8312 | 1361.288 | 9073 | 1505.448 | 8109 | 1645.303 | 8255 | 1780.979 | 7641 | 1912.603 | 7413 |
| 902.9711 | 7998 | 1060.764 | 10772 | 1213.875 | 8397 | 1362.431 | 9060 | 1506.557 | 8126 | 1646.379 | 8261 | 1782.023 | 7663 | 1913.616 | 7378 |
| 904.2223 | 7967 | 1061.978 | 11146 | 1215.053 | 8366 | 1363.574 | 9103 | 1507.666 | 8120 | 1647.455 | 8282 | 1783.067 | 7694 | 1914.628 | 7468 |
| 905.4733 | 8034 | 1063.192 | 11637 | 1216.231 | 8359 | 1364.717 | 9220 | 1508.774 | 8112 | 1648.53 | 8342 | 1784.11 | 7693 | 1915.641 | 7433 |
| 906.7239 | 7946 | 1064.406 | 12349 | 1217.409 | 8446 | 1365.859 | 9258 | 1509.883 | 8155 | 1649.605 | 8313 | 1785.153 | 7706 | 1916.653 | 7466 |
| 907.9743 | 7985 | 1065.619 | 13030 | 1218.586 | 8435 | 1367.001 | 9413 | 1510.991 | 8084 | 1650.68 | 8200 | 1786.196 | 7640 | 1917.664 | 7402 |
| 909.2243 | 7974 | 1066.832 | 13971 | 1219.763 | 8431 | 1368.143 | 9462 | 1512.098 | 8083 | 1651.755 | 8270 | 1787.239 | 7592 | 1918.676 | 7411 |
| 910.4741 | 8031 | 1068.045 | 14829 | 1220.94 | 8432 | 1369.285 | 9555 | 1513.206 | 8176 | 1652.83 | 8304 | 1788.281 | 7608 | 1919.687 | 7443 |
| 911.7235 | 7933 | 1069.257 | 15844 | 1222.116 | 8516 | 1370.426 | 9612 | 1514.313 | 8205 | 1653.904 | 8318 | 1789.323 | 7671 | 1920.698 | 7458 |
| 912.9727 | 7972 | 1070.469 | 16797 | 1223.292 | 8550 | 1371.567 | 9738 | 1515.42 | 8180 | 1654.978 | 8261 | 1790.365 | 7666 | 1921.709 | 7430 |
| 914.2216 | 7962 | 1071.681 | 17578 | 1224.468 | 8602 | 1372.708 | 9803 | 1516.527 | 8153 | 1656.051 | 8302 | 1791.407 | 7635 | 1922.719 | 7468 |
| 915.4702 | 7989 | 1072.893 | 18490 | 1225.644 | 8701 | 1373.849 | 9822 | 1517.634 | 8169 | 1657.125 | 8327 | 1792.448 | 7633 | 1923.73 | 7432 |
| 916.7185 | 8026 | 1074.104 | 18831 | 1226.819 | 8805 | 1374.989 | 9982 | 1518.74 | 8095 | 1658.198 | 8313 | 1793.489 | 7661 | 1924.74 | 7446 |
| 917.9665 | 7948 | 1075.315 | 18716 | 1227.994 | 8875 | 1376.129 | 9997 | 1519.846 | 8176 | 1659.271 | 8334 | 1794.53 | 7646 | 1925.75 | 7432 |
| 919.2142 | 8046 | 1076.526 | 18497 | 1229.169 | 8895 | 1377.269 | 10142 | 1520.952 | 8212 | 1660.344 | 8365 | 1795.571 | 7621 | 1926.759 | 7444 |
| 920.4616 | 7970 | 1077.736 | 17790 | 1230.343 | 9012 | 1378.408 | 10054 | 1522.057 | 8188 | 1661.416 | 8384 | 1796.611 | 7627 | 1927.769 | 7470 |
| 921.7087 | 8022 | 1078.946 | 16728 | 1231.517 | 9052 | 1379.547 | 10206 | 1523.162 | 8283 | 1662.488 | 8392 | 1797.651 | 7566 | 1928.778 | 7437 |
| 922.9556 | 7986 | 1080.156 | 15515 | 1232.691 | 9067 | 1380.686 | 10261 | 1524.267 | 8345 | 1663.56 | 8322 | 1798.691 | 7584 | 1929.787 | 7405 |
| 924.2021 | 8022 | 1081.366 | 14263 | 1233.865 | 9209 | 1381.825 | 10276 | 1525.372 | 8364 | 1664.632 | 8412 | 1799.731 | 7639 | 1930.795 | 7455 |
| 925.4483 | 7973 | 1082.575 | 13177 | 1235.038 | 9252 | 1382.963 | 10283 | 1526.476 | 8399 | 1665.703 | 8482 | 1800.77 | 7648 | 1931.804 | 7419 |
| 926.6943 | 7997 | 1083.784 | 12168 | 1236.211 | 9296 | 1384.101 | 10276 | 1527.58 | 8428 | 1666.775 | 8506 | 1801.81 | 7569 | 1932.812 | 7453 |
| 927.94 | 7994 | 1084.993 | 11358 | 1237.384 | 9361 | 1385.239 | 10318 | 1528.684 | 8449 | 1667.845 | 8531 | 1802.849 | 7590 | 1933.82 | 7471 |
| 929.1853 | 7971 | 1086.202 | 10668 | 1238.557 | 9306 | 1386.377 | 10305 | 1529.788 | 8400 | 1668.916 | 8497 | 1803.887 | 7573 | 1934.827 | 7437 |
| 930.4304 | 8020 | 1087.41 | 10005 | 1239.729 | 9333 | 1387.514 | 10403 | 1530.891 | 8374 | 1669.987 | 8563 | 1804.926 | 7622 | 1935.835 | 7441 |
| 931.6752 | 7979 | 1088.618 | 9625 | 1240.901 | 9361 | 1388.651 | 10169 | 1531.994 | 8261 | 1671.057 | 8544 | 1805.964 | 7582 | 1936.842 | 7409 |
| 932.9197 | 7957 | 1089.825 | 9342 | 1242.073 | 9304 | 1389.788 | 10164 | 1533.097 | 8259 | 1672.127 | 8645 | 1807.002 | 7601 | 1937.849 | 7403 |
| 934.1639 | 8022 | 1091.033 | 9058 | 1243.244 | 9290 | 1390.925 | 10168 | 1534.2 | 8259 | 1673.196 | 8664 | 1808.039 | 7599 | 1938.856 | 7432 |
| 935.4078 | 7953 | 1092.24 | 8856 | 1244.415 | 9247 | 1392.061 | 10079 | 1535.302 | 8136 | 1674.266 | 8740 | 1809.077 | 7610 | 1939.862 | 7410 |
| 936.6514 | 8009 | 1093.446 | 8735 | 1245.586 | 9141 | 1393.197 | 10052 | 1536.404 | 8183 | 1675.335 | 8816 | 1810.114 | 7585 | 1940.868 | 7382 |
| 937.8947 | 7924 | 1094.653 | 8719 | 1246.757 | 9168 | 1394.332 | 9942 | 1537.506 | 8198 | 1676.404 | 8818 | 1811.151 | 7573 | 1941.874 | 7411 |
| 939.1378 | 7981 | 1095.859 | 8584 | 1247.927 | 9108 | 1395.468 | 9841 | 1538.608 | 8187 | 1677.472 | 8774 | 1812.188 | 7578 | 1942.88 | 7416 |
| 940.3805 | 7978 | 1097.065 | 8542 | 1249.097 | 9011 | 1396.603 | 9665 | 1539.709 | 8246 | 1678.541 | 8865 | 1813.224 | 7634 | 1943.886 | 7401 |
| 941.623 | 7966 | 1098.27 | 8431 | 1250.267 | 8975 | 1397.738 | 9499 | 1540.81 | 8245 | 1679.609 | 8943 | 1814.26 | 7608 | 1944.891 | 7431 |
| 942.8651 | 7958 | 1099.476 | 8470 | 1251.436 | 8854 | 1398.873 | 9337 | 1541.911 | 8254 | 1680.677 | 8987 | 1815.296 | 7544 | 1945.896 | 7423 |
| 944.107 | 7983 | 1100.681 | 8500 | 1252.606 | 8904 | 1400.007 | 9221 | 1543.011 | 8197 | 1681.744 | 9008 | 1816.332 | 7572 | 1946.901 | 7357 |

Starting material-2



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 7467 | 945.3486 | 7529 | 1101.886 | 7894 | 1253.774 | 8131 | 1401.141 | 8427 | 1544.112 | 7563 | 1682.812 | 8344 | 1817.368 | 7195 |
| 785.3164 | 7556 | 946.5899 | 7456 | 1103.09 | 7838 | 1254.943 | 8134 | 1402.275 | 8242 | 1545.211 | 7611 | 1683.879 | 8374 | 1818.403 | 7149 |
| 786.5952 | 7523 | 947.8308 | 7464 | 1104.294 | 7847 | 1256.112 | 8120 | 1403.408 | 8146 | 1546.311 | 7632 | 1684.946 | 8436 | 1819.438 | 7145 |
| 787.8737 | 7459 | 949.0715 | 7460 | 1105.498 | 7790 | 1257.28 | 8062 | 1404.542 | 8160 | 1547.411 | 7678 | 1686.012 | 8445 | 1820.473 | 7120 |
| 789.1519 | 7583 | 950.312 | 7519 | 1106.702 | 7807 | 1258.447 | 8048 | 1405.675 | 8028 | 1548.51 | 7663 | 1687.079 | 8464 | 1821.507 | 7123 |
| 790.4297 | 7530 | 951.5521 | 7530 | 1107.905 | 7780 | 1259.615 | 8048 | 1406.808 | 7994 | 1549.609 | 7745 | 1688.145 | 8485 | 1822.541 | 7076 |
| 791.7073 | 7570 | 952.7919 | 7493 | 1109.108 | 7721 | 1260.782 | 7991 | 1407.94 | 7995 | 1550.707 | 7765 | 1689.211 | 8539 | 1823.575 | 7093 |
| 792.9846 | 7556 | 954.0314 | 7442 | 1110.311 | 7792 | 1261.949 | 8049 | 1409.072 | 7881 | 1551.806 | 7791 | 1690.276 | 8528 | 1824.609 | 7097 |
| 794.2616 | 7533 | 955.2707 | 7518 | 1111.514 | 7691 | 1263.116 | 7955 | 1410.204 | 7876 | 1552.904 | 7842 | 1691.342 | 8608 | 1825.643 | 7036 |
| 795.5383 | 7593 | 956.5096 | 7420 | 1112.716 | 7713 | 1264.283 | 8052 | 1411.336 | 7800 | 1554.002 | 7921 | 1692.407 | 8617 | 1826.676 | 7110 |
| 796.8146 | 7593 | 957.7483 | 7466 | 1113.918 | 7703 | 1265.449 | 8005 | 1412.467 | 7835 | 1555.1 | 7890 | 1693.471 | 8610 | 1827.709 | 7065 |
| 798.0907 | 7540 | 958.9867 | 7514 | 1115.119 | 7627 | 1266.615 | 8008 | 1413.598 | 7827 | 1556.197 | 7968 | 1694.536 | 8591 | 1828.742 | 7109 |
| 799.3665 | 7557 | 960.2248 | 7526 | 1116.321 | 7694 | 1267.78 | 8087 | 1414.729 | 7777 | 1557.294 | 8094 | 1695.6 | 8686 | 1829.774 | 7100 |
| 800.642 | 7535 | 961.4626 | 7498 | 1117.522 | 7701 | 1268.946 | 8105 | 1415.86 | 7730 | 1558.391 | 8041 | 1696.664 | 8810 | 1830.807 | 7093 |
| 801.9172 | 7542 | 962.7001 | 7492 | 1118.723 | 7678 | 1270.111 | 8126 | 1416.99 | 7760 | 1559.488 | 8125 | 1697.728 | 8824 | 1831.839 | 7121 |
| 803.1921 | 7492 | 963.9373 | 7487 | 1119.923 | 7705 | 1271.275 | 8173 | 1418.12 | 7727 | 1560.584 | 8128 | 1698.792 | 8881 | 1832.87 | 7114 |
| 804.4667 | 7515 | 965.1742 | 7478 | 1121.123 | 7734 | 1272.44 | 8225 | 1419.25 | 7680 | 1561.68 | 8119 | 1699.855 | 8863 | 1833.902 | 7125 |
| 805.741 | 7517 | 966.4108 | 7510 | 1122.323 | 7724 | 1273.604 | 8190 | 1420.38 | 7690 | 1562.776 | 8211 | 1700.918 | 8882 | 1834.933 | 7079 |
| 807.015 | 7512 | 967.6472 | 7518 | 1123.523 | 7748 | 1274.768 | 8283 | 1421.509 | 7629 | 1563.871 | 8265 | 1701.981 | 8997 | 1835.964 | 7099 |
| 808.2887 | 7496 | 968.8832 | 7516 | 1124.722 | 7807 | 1275.932 | 8352 | 1422.638 | 7677 | 1564.967 | 8302 | 1703.044 | 9155 | 1836.995 | 7079 |
| 809.5621 | 7516 | 970.119 | 7574 | 1125.921 | 7842 | 1277.095 | 8363 | 1423.767 | 7633 | 1566.062 | 8487 | 1704.106 | 9011 | 1838.026 | 7131 |
| 810.8352 | 7568 | 971.3544 | 7521 | 1127.12 | 7889 | 1278.259 | 8412 | 1424.895 | 7643 | 1567.156 | 8472 | 1705.168 | 8994 | 1839.056 | 7071 |
| 812.108 | 7514 | 972.5896 | 7539 | 1128.319 | 7867 | 1279.421 | 8463 | 1426.023 | 7646 | 1568.251 | 8660 | 1706.23 | 9041 | 1840.086 | 7051 |
| 813.3805 | 7478 | 973.8245 | 7553 | 1129.517 | 7903 | 1280.584 | 8473 | 1427.151 | 7636 | 1569.345 | 8853 | 1707.291 | 9037 | 1841.116 | 7082 |
| 814.6527 | 7506 | 975.0591 | 7542 | 1130.715 | 7849 | 1281.746 | 8489 | 1428.279 | 7670 | 1570.439 | 9100 | 1708.353 | 9065 | 1842.146 | 7078 |
| 815.9246 | 7552 | 976.2934 | 7572 | 1131.913 | 7834 | 1282.908 | 8448 | 1429.407 | 7629 | 1571.533 | 9299 | 1709.414 | 8929 | 1843.175 | 7109 |
| 817.1962 | 7545 | 977.5274 | 7566 | 1133.11 | 7757 | 1284.07 | 8476 | 1430.534 | 7659 | 1572.626 | 9722 | 1710.475 | 8835 | 1844.204 | 7066 |
| 818.4675 | 7521 | 978.7612 | 7604 | 1134.307 | 7715 | 1285.232 | 8555 | 1431.661 | 7604 | 1573.72 | 10072 | 1711.535 | 8839 | 1845.233 | 7051 |
| 819.7385 | 7498 | 979.9946 | 7590 | 1135.504 | 7699 | 1286.393 | 8616 | 1432.787 | 7649 | 1574.813 | 10626 | 1712.596 | 8746 | 1846.262 | 7071 |
| 821.0093 | 7546 | 981.2278 | 7636 | 1136.701 | 7600 | 1287.554 | 8660 | 1433.913 | 7681 | 1575.905 | 11383 | 1713.656 | 8674 | 1847.29 | 7089 |
| 822.2797 | 7531 | 982.4606 | 7667 | 1137.897 | 7573 | 1288.715 | 8735 | 1435.04 | 7682 | 1576.998 | 12292 | 1714.715 | 8577 | 1848.318 | 7059 |
| 823.5498 | 7568 | 983.6932 | 7643 | 1139.093 | 7659 | 1289.875 | 8835 | 1436.165 | 7613 | 1578.09 | 13318 | 1715.775 | 8446 | 1849.346 | 7063 |
| 824.8196 | 7586 | 984.9255 | 7618 | 1140.289 | 7653 | 1291.035 | 8897 | 1437.291 | 7638 | 1579.182 | 14783 | 1716.834 | 8357 | 1850.374 | 7080 |
| 826.0892 | 7496 | 986.1575 | 7701 | 1141.484 | 7626 | 1292.195 | 8924 | 1438.416 | 7642 | 1580.274 | 16331 | 1717.893 | 8299 | 1851.401 | 7118 |
| 827.3584 | 7604 | 987.3892 | 7721 | 1142.679 | 7603 | 1293.355 | 8922 | 1439.541 | 7684 | 1581.365 | 17971 | 1718.952 | 8222 | 1852.428 | 7052 |
| 828.6273 | 7536 | 988.6206 | 7696 | 1143.874 | 7622 | 1294.514 | 8941 | 1440.666 | 7659 | 1582.456 | 19628 | 1720.011 | 8140 | 1853.455 | 7091 |
| 829.896 | 7596 | 989.8517 | 7668 | 1145.069 | 7665 | 1295.673 | 8925 | 1441.79 | 7753 | 1583.547 | 21102 | 1721.069 | 8095 | 1854.482 | 7061 |
| 831.1643 | 7563 | 991.0825 | 7722 | 1146.263 | 7623 | 1296.832 | 8869 | 1442.915 | 7704 | 1584.638 | 21860 | 1722.127 | 8037 | 1855.508 | 7079 |
| 832.4324 | 7593 | 992.3131 | 7670 | 1147.457 | 7559 | 1297.99 | 8910 | 1444.039 | 7756 | 1585.728 | 21918 | 1723.185 | 7942 | 1856.535 | 7063 |
| 833.7001 | 7522 | 993.5433 | 7812 | 1148.651 | 7660 | 1299.148 | 8943 | 1445.162 | 7799 | 1586.818 | 21257 | 1724.242 | 7944 | 1857.561 | 7090 |
| 834.9676 | 7607 | 994.7733 | 7782 | 1149.844 | 7656 | 1300.306 | 8947 | 1446.286 | 7720 | 1587.908 | 20017 | 1725.3 | 7852 | 1858.586 | 7127 |
| 836.2347 | 7653 | 996.003 | 7872 | 1151.037 | 7678 | 1301.464 | 8964 | 1447.409 | 7760 | 1588.998 | 18109 | 1726.357 | 7739 | 1859.612 | 7086 |
| 837.5016 | 7606 | 997.2324 | 7981 | 1152.23 | 7710 | 1302.621 | 8995 | 1448.532 | 7885 | 1590.087 | 16211 | 1727.414 | 7745 | 1860.637 | 7098 |
| 838.7682 | 7695 | 998.4615 | 7976 | 1153.423 | 7748 | 1303.779 | 8983 | 1449.654 | 7765 | 1591.176 | 14679 | 1728.47 | 7697 | 1861.662 | 7074 |
| 840.0344 | 7801 | 999.6903 | 8063 | 1154.615 | 7848 | 1304.935 | 9015 | 1450.777 | 7707 | 1592.265 | 13066 | 1729.526 | 7728 | 1862.687 | 7051 |
| 841.3004 | 7868 | 1000.919 | 8104 | 1155.807 | 7859 | 1306.092 | 9008 | 1451.899 | 7795 | 1593.354 | 11857 | 1730.582 | 7645 | 1863.711 | 7015 |
| 842.5661 | 7930 | 1002.147 | 8171 | 1156.999 | 7945 | 1307.248 | 8977 | 1453.021 | 7760 | 1594.442 | 10989 | 1731.638 | 7670 | 1864.736 | 7091 |
| 843.8315 | 7933 | 1003.375 | 8242 | 1158.191 | 8044 | 1308.404 | 9020 | 1454.142 | 7831 | 1595.53 | 10263 | 1732.694 | 7573 | 1865.76 | 7058 |
| 845.0965 | 8039 | 1004.603 | 8225 | 1159.382 | 8029 | 1309.56 | 8922 | 1455.263 | 7801 | 1596.618 | 9837 | 1733.749 | 7524 | 1866.783 | 7069 |
| 846.3613 | 8138 | 1005.83 | 8327 | 1160.573 | 8028 | 1310.716 | 8933 | 1456.384 | 7746 | 1597.705 | 9426 | 1734.804 | 7453 | 1867.807 | 7062 |
| 847.6258 | 8213 | 1007.057 | 8374 | 1161.763 | 8098 | 1311.871 | 8879 | 1457.505 | 7719 | 1598.793 | 9128 | 1735.859 | 7463 | 1868.83 | 7088 |
| 848.89 | 8396 | 1008.284 | 8511 | 1162.954 | 8133 | 1313.026 | 8935 | 1458.626 | 7777 | 1599.88 | 8915 | 1736.913 | 7404 | 1869.853 | 7037 |
| 850.1539 | 8322 | 1009.51 | 8628 | 1164.144 | 8111 | 1314.18 | 8874 | 1459.746 | 7721 | 1600.966 | 8768 | 1737.968 | 7428 | 1870.876 | 7035 |
| 851.4175 | 8382 | 1010.737 | 8687 | 1165.334 | 8163 | 1315.335 | 8864 | 1460.866 | 7674 | 1602.053 | 8613 | 1739.022 | 7353 | 1871.899 | 7014 |
| 852.6808 | 8344 | 1011.963 | 8626 | 1166.523 | 8272 | 1316.489 | 8774 | 1461.986 | 7642 | 1603.139 | 8582 | 1740.076 | 7302 | 1872.921 | 7032 |
| 853.9438 | 8371 | 1013.188 | 8581 | 1167.713 | 8254 | 1317.643 | 8656 | 1463.105 | 7637 | 1604.225 | 8502 | 1741.129 | 7345 | 1873.943 | 7074 |
| 855.2065 | 8217 | 1014.414 | 8297 | 1168.902 | 8316 | 1318.796 | 8601 | 1464.224 | 7612 | 1605.311 | 8441 | 1742.182 | 7265 | 1874.965 | 7096 |
| 856.469 | 8208 | 1015.639 | 8146 | 1170.09 | 8460 | 1319.95 | 8555 | 1465.343 | 7682 | 1606.396 | 8313 | 1743.235 | 7298 | 1875.986 | 7045 |
| 857.7311 | 8215 | 1016.863 | 8002 | 1171.279 | 8603 | 1321.103 | 8470 | 1466.462 | 7615 | 1607.482 | 8343 | 1744.288 | 7274 | 1877.008 | 7098 |
| 858.9929 | 8151 | 1018.088 | 7927 | 1172.467 | 8637 | 1322.255 | 8417 | 1467.58 | 7685 | 1608.567 | 8271 | 1745.341 | 7281 | 1878.029 | 7042 |
| 860.2544 | 8195 | 1019.312 | 7887 | 1173.655 | 8649 | 1323.408 | 8449 | 1468.698 | 7712 | 1609.651 | 8153 | 1746.393 | 7238 | 1879.05 | 7032 |
| 861.5157 | 8275 | 1020.536 | 7788 | 1174.842 | 8821 | 1324.56 | 8342 | 1469.816 | 7717 | 1610.736 | 8119 | 1747.445 | 7249 | 1880.07 | 7067 |
| 862.7766 | 8162 | 1021.76 | 7794 | 1176.029 | 8837 | 1325.712 | 8284 | 1470.934 | 7727 | 1611.82 | 8075 | 1748.497 | 7244 | 1881.091 | 7018 |
| 864.0373 | 8111 | 1022.983 | 7781 | 1177.216 | 8844 | 1326.864 | 8209 | 1472.051 | 7870 | 1612.904 | 8060 | 1749.548 | 7223 | 1882.111 | 7007 |
| 865.2976 | 8017 | 1024.206 | 7713 | 1178.403 | 8704 | 1328.015 | 8207 | 1473.168 | 7938 | 1613.987 | 8078 | 1750.6 | 7246 | 1883.131 | 7097 |
| 866.5577 | 7943 | 1025.429 | 7693 | 1179.59 | 8601 | 1329.166 | 8169 | 1474.285 | 8018 | 1615.071 | 8037 | 1751.651 | 7161 | 1884.151 | 7068 |
| 867.8174 | 7874 | 1026.651 | 7716 | 1180.776 | 8461 | 1330.317 | 8214 | 1475.401 | 8197 | 1616.154 | 8026 | 1752.702 | 7222 | 1885.17 | 7071 |
| 869.0769 | 7827 | 1027.873 | 7721 | 1181.962 | 8266 | 1331.468 | 8144 | 1476.518 | 8347 | 1617.237 | 8103 | 1753.752 | 7191 | 1886.189 | 7053 |
| 870.3361 | 7724 | 1029.095 | 7739 | 1183.147 | 8122 | 1332.618 | 8218 | 1477.633 | 8394 | 1618.32 | 7987 | 1754.803 | 7268 | 1887.208 | 7026 |
| 871.5949 | 7643 | 1030.317 | 7802 | 1184.333 | 8008 | 1333.768 | 8132 | 1478.749 | 8315 | 1619.402 | 7891 | 1755.853 | 7194 | 1888.227 | 7027 |
| 872.8535 | 7636 | 1031.538 | 7770 | 1185.518 | 7854 | 1334.918 | 8145 | 1479.865 | 8265 | 1620.484 | 7906 | 1756.902 | 7283 | 1889.245 | 7064 |
| 874.1118 | 7608 | 1032.759 | 7808 | 1186.702 | 7796 | 1336.067 | 8121 | 1480.98 | 8109 | 1621.566 | 7857 | 1757.952 | 7215 | 1890.263 | 7041 |
| 875.3698 | 7569 | 1033.98 | 7847 | 1187.887 | 7732 | 1337.217 | 8074 | 1482.095 | 8037 | 1622.648 | 7870 | 1759.001 | 7167 | 1891.281 | 7015 |
| 876.6275 | 7529 | 1035.201 | 7868 | 1189.071 | 7653 | 1338.366 | 8097 | 1483.209 | 7882 | 1623.729 | 7837 | 1760.05 | 7234 | 1892.299 | 7045 |
| 877.8849 | 7554 | 1036.421 | 7907 | 1190.255 | 7691 | 1339.514 | 8049 | 1484.324 | 7733 | 1624.81 | 7802 | 1761.099 | 7271 | 1893.317 | 7048 |
| 879.142 | 7505 | 1037.641 | 7862 | 1191.439 | 7641 | 1340.663 | 8099 | 1485.438 | 7708 | 1625.891 | 7774 | 1762.148 | 7145 | 1894.334 | 7027 |
| 880.3988 | 7468 | 1038.86 | 7914 | 1192.622 | 7641 | 1341.811 | 8078 | 1486.552 | 7595 | 1626.972 | 7806 | 1763.196 | 7196 | 1895.351 | 7028 |
| 881.6553 | 7508 | 1040.08 | 7903 | 1193.805 | 7601 | 1342.959 | 8007 | 1487.666 | 7540 | 1628.052 | 7740 | 1764.244 | 7196 | 1896.368 | 7076 |
| 882.9115 | 7449 | 1041.299 | 7891 | 1194.988 | 7625 | 1344.106 | 7993 | 1488.779 | 7538 | 1629.132 | 7720 | 1765.292 | 7236 | 1897.384 | 7108 |
| 884.1675 | 7475 | 1042.517 | 7967 | 1196.171 | 7599 | 1345.254 | 7954 | 1489.892 | 7541 | 1630.212 | 7697 | 1766.339 | 7151 | 1898.4 | 7047 |
| 885.4231 | 7508 | 1043.736 | 7975 | 1197.353 | 7595 | 1346.401 | 7944 | 1491.005 | 7533 | 1631.292 | 7736 | 1767.387 | 7197 | 1899.417 | 7046 |
| 886.6785 | 7471 | 1044.954 | 8030 | 1198.535 | 7623 | 1347.547 | 7983 | 1492.117 | 7555 | 1632.371 | 7733 | 1768.434 | 7236 | 1900.432 | 7066 |
| 887.9335 | 7438 | 1046.172 | 8083 | 1199.717 | 7637 | 1348.694 | 7967 | 1493.23 | 7562 | 1633.45 | 7686 | 1769.481 | 7228 | 1901.448 | 7011 |
| 889.1882 | 7487 | 1047.389 | 8106 | 1200.898 | 7579 | 1349.84 | 7991 | 1494.342 | 7536 | 1634.529 | 7641 | 1770.527 | 7220 | 1902.463 | 7029 |
| 890.4427 | 7545 | 1048.607 | 8091 | 1202.079 | 7661 | 1350.986 | 7931 | 1495.453 | 7462 | 1635.607 | 7621 | 1771.574 | 7201 | 1903.478 | 7045 |
| 891.6969 | 7491 | 1049.824 | 8207 | 1203.26 | 7634 | 1352.132 | 8037 | 1496.565 | 7454 | 1636.686 | 7708 | 1772.62 | 7217 | 1904.493 | 6993 |
| 892.9507 | 7437 | 1051.04 | 8304 | 1204.441 | 7688 | 1353.277 | 8025 | 1497.676 | 7488 | 1637.764 | 7643 | 1773.666 | 7258 | 1905.508 | 7005 |
| 894.2043 | 7415 | 1052.257 | 8355 | 1205.621 | 7609 | 1354.422 | 8033 | 1498.787 | 7470 | 1638.841 | 7632 | 1774.711 | 7199 | 1906.522 | 7023 |
| 895.4576 | 7481 | 1053.473 | 8520 | 1206.801 | 7664 | 1355.567 | 8042 | 1499.898 | 7485 | 1639.919 | 7630 | 1775.756 | 7240 | 1907.536 | 7016 |
| 896.7106 | 7494 | 1054.689 | 8594 | 1207.981 | 7658 | 1356.712 | 8083 | 1501.008 | 7459 | 1640.996 | 7636 | 1776.802 | 7190 | 1908.55 | 7048 |
| 897.9633 | 7445 | 1055.905 | 8800 | 1209.16 | 7714 | 1357.856 | 8103 | 1502.119 | 7455 | 1642.073 | 7713 | 1777.846 | 7280 | 1909.564 | 7060 |
| 899.2157 | 7470 | 1057.12 | 9014 | 1210.339 | 7671 | 1359 | 8109 | 1503.228 | 7524 | 1643.15 | 7663 | 1778.891 | 7186 | 1910.577 | 7010 |
| 900.4678 | 7504 | 1058.335 | 9251 | 1211.518 | 7716 | 1360.144 | 8211 | 1504.338 | 7405 | 1644.227 | 7713 | 1779.935 | 7193 | 1911.59 | 7048 |
| 901.7196 | 7510 | 1059.55 | 9590 | 1212.697 | 7769 | 1361.288 | 8299 | 1505.448 | 7524 | 1645.303 | 7656 | 1780.979 | 7229 | 1912.603 | 6987 |
| 902.9711 | 7491 | 1060.764 | 9967 | 1213.875 | 7731 | 1362.431 | 8296 | 1506.557 | 7491 | 1646.379 | 7689 | 1782.023 | 7203 | 1913.616 | 7046 |
| 904.2223 | 7505 | 1061.978 | 10351 | 1215.053 | 7707 | 1363.574 | 8363 | 1507.666 | 7459 | 1647.455 | 7647 | 1783.067 | 7226 | 1914.628 | 7048 |
| 905.4733 | 7451 | 1063.192 | 10798 | 1216.231 | 7712 | 1364.717 | 8421 | 1508.774 | 7448 | 1648.53 | 7659 | 1784.11 | 7140 | 1915.641 | 7041 |
| 906.7239 | 7476 | 1064.406 | 11369 | 1217.409 | 7762 | 1365.859 | 8551 | 1509.883 | 7545 | 1649.605 | 7686 | 1785.153 | 7189 | 1916.653 | 7047 |
| 907.9743 | 7422 | 1065.619 | 12154 | 1218.586 | 7781 | 1367.001 | 8660 | 1510.991 | 7468 | 1650.68 | 7623 | 1786.196 | 7186 | 1917.664 | 7045 |
| 909.2243 | 7423 | 1066.832 | 12816 | 1219.763 | 7852 | 1368.143 | 8610 | 1512.098 | 7472 | 1651.755 | 7643 | 1787.239 | 7224 | 1918.676 | 7057 |
| 910.4741 | 7472 | 1068.045 | 13607 | 1220.94 | 7817 | 1369.285 | 8757 | 1513.206 | 7519 | 1652.83 | 7699 | 1788.281 | 7151 | 1919.687 | 7091 |
| 911.7235 | 7406 | 1069.257 | 14444 | 1222.116 | 7857 | 1370.426 | 8756 | 1514.313 | 7503 | 1653.904 | 7707 | 1789.323 | 7243 | 1920.698 | 7066 |
| 912.9727 | 7458 | 1070.469 | 15253 | 1223.292 | 7878 | 1371.567 | 8873 | 1515.42 | 7527 | 1654.978 | 7669 | 1790.365 | 7196 | 1921.709 | 7051 |
| 914.2216 | 7504 | 1071.681 | 16123 | 1224.468 | 8025 | 1372.708 | 8919 | 1516.527 | 7533 | 1656.051 | 7711 | 1791.407 | 7152 | 1922.719 | 7038 |
| 915.4702 | 7479 | 1072.893 | 16750 | 1225.644 | 8058 | 1373.849 | 9024 | 1517.634 | 7514 | 1657.125 | 7693 | 1792.448 | 7224 | 1923.73 | 7035 |
| 916.7185 | 7446 | 1074.104 | 17095 | 1226.819 | 8161 | 1374.989 | 9040 | 1518.74 | 7532 | 1658.198 | 7766 | 1793.489 | 7121 | 1924.74 | 7015 |
| 917.9665 | 7463 | 1075.315 | 17090 | 1227.994 | 8192 | 1376.129 | 9180 | 1519.846 | 7550 | 1659.271 | 7737 | 1794.53 | 7155 | 1925.75 | 7028 |
| 919.2142 | 7461 | 1076.526 | 16870 | 1229.169 | 8284 | 1377.269 | 9260 | 1520.952 | 7538 | 1660.344 | 7783 | 1795.571 | 7140 | 1926.759 | 7047 |
| 920.4616 | 7554 | 1077.736 | 16247 | 1230.343 | 8351 | 1378.408 | 9334 | 1522.057 | 7527 | 1661.416 | 7760 | 1796.611 | 7144 | 1927.769 | 7019 |
| 921.7087 | 7461 | 1078.946 | 15277 | 1231.517 | 8366 | 1379.547 | 9380 | 1523.162 | 7584 | 1662.488 | 7790 | 1797.651 | 7128 | 1928.778 | 7068 |
| 922.9556 | 7482 | 1080.156 | 14214 | 1232.691 | 8420 | 1380.686 | 9373 | 1524.267 | 7646 | 1663.56 | 7840 | 1798.691 | 7226 | 1929.787 | 7037 |
| 924.2021 | 7448 | 1081.366 | 13220 | 1233.865 | 8554 | 1381.825 | 9375 | 1525.372 | 7637 | 1664.632 | 7826 | 1799.731 | 7102 | 1930.795 | 7003 |
| 925.4483 | 7482 | 1082.575 | 12252 | 1235.038 | 8592 | 1382.963 | 9409 | 1526.476 | 7612 | 1665.703 | 7812 | 1800.77 | 7137 | 1931.804 | 7015 |
| 926.6943 | 7484 | 1083.784 | 11310 | 1236.211 | 8642 | 1384.101 | 9493 | 1527.58 | 7680 | 1666.775 | 7850 | 1801.81 | 7197 | 1932.812 | 6994 |
| 927.94 | 7476 | 1084.993 | 10552 | 1237.384 | 8668 | 1385.239 | 9462 | 1528.684 | 7656 | 1667.845 | 7859 | 1802.849 | 7173 | 1933.82 | 6994 |
| 929.1853 | 7450 | 1086.202 | 9940 | 1238.557 | 8698 | 1386.377 | 9424 | 1529.788 | 7621 | 1668.916 | 7940 | 1803.887 | 7142 | 1934.827 | 6991 |
| 930.4304 | 7475 | 1087.41 | 9441 | 1239.729 | 8654 | 1387.514 | 9430 | 1530.891 | 7627 | 1669.987 | 7877 | 1804.926 | 7160 | 1935.835 | 7041 |
| 931.6752 | 7467 | 1088.618 | 9081 | 1240.901 | 8698 | 1388.651 | 9373 | 1531.994 | 7623 | 1671.057 | 7984 | 1805.964 | 7149 | 1936.842 | 6995 |
| 932.9197 | 7477 | 1089.825 | 8744 | 1242.073 | 8660 | 1389.788 | 9347 | 1533.097 | 7521 | 1672.127 | 8076 | 1807.002 | 7101 | 1937.849 | 6977 |
| 934.1639 | 7444 | 1091.033 | 8417 | 1243.244 | 8511 | 1390.925 | 9369 | 1534.2 | 7587 | 1673.196 | 8031 | 1808.039 | 7138 | 1938.856 | 6978 |
| 935.4078 | 7480 | 1092.24 | 8312 | 1244.415 | 8540 | 1392.061 | 9241 | 1535.302 | 7542 | 1674.266 | 8133 | 1809.077 | 7150 | 1939.862 | 6991 |
| 936.6514 | 7457 | 1093.446 | 8208 | 1245.586 | 8546 | 1393.197 | 9210 | 1536.404 | 7555 | 1675.335 | 8098 | 1810.114 | 7157 | 1940.868 | 6987 |
| 937.8947 | 7488 | 1094.653 | 8075 | 1246.757 | 8396 | 1394.332 | 9083 | 1537.506 | 7593 | 1676.404 | 8221 | 1811.151 | 7129 | 1941.874 | 7023 |
| 939.1378 | 7459 | 1095.859 | 8038 | 1247.927 | 8414 | 1395.468 | 8995 | 1538.608 | 7618 | 1677.472 | 8168 | 1812.188 | 7166 | 1942.88 | 7067 |
| 940.3805 | 7470 | 1097.065 | 7930 | 1249.097 | 8322 | 1396.603 | 8853 | 1539.709 | 7577 | 1678.541 | 8195 | 1813.224 | 7109 | 1943.886 | 6997 |
| 941.623 | 7451 | 1098.27 | 7930 | 1250.267 | 8272 | 1397.738 | 8748 | 1540.81 | 7559 | 1679.609 | 8260 | 1814.26 | 7128 | 1944.891 | 6960 |
| 942.8651 | 7455 | 1099.476 | 7913 | 1251.436 | 8277 | 1398.873 | 8625 | 1541.911 | 7608 | 1680.677 | 8304 | 1815.296 | 7091 | 1945.896 | 6966 |
| 944.107 | 7440 | 1100.681 | 7894 | 1252.606 | 8232 | 1400.007 | 8479 | 1543.011 | 7622 | 1681.744 | 8250 | 1816.332 | 7117 | 1946.901 | 6988 |

Starting material-3



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 9468 | 945.3486 | 9591 | 1101.886 | 9910 | 1253.774 | 10171 | 1401.141 | 10265 | 1544.112 | 9696 | 1682.812 | 9595 | 1817.368 | 8891 |
| 785.3164 | 9528 | 946.5899 | 9582 | 1103.09 | 9908 | 1254.943 | 10105 | 1402.275 | 10226 | 1545.211 | 9649 | 1683.879 | 9584 | 1818.403 | 8809 |
| 786.5952 | 9548 | 947.8308 | 9604 | 1104.294 | 9910 | 1256.112 | 10074 | 1403.408 | 10190 | 1546.311 | 9689 | 1684.946 | 9657 | 1819.438 | 8844 |
| 787.8737 | 9536 | 949.0715 | 9588 | 1105.498 | 9866 | 1257.28 | 10059 | 1404.542 | 10187 | 1547.411 | 9786 | 1686.012 | 9618 | 1820.473 | 8852 |
| 789.1519 | 9579 | 950.312 | 9610 | 1106.702 | 9855 | 1258.447 | 10109 | 1405.675 | 10050 | 1548.51 | 9777 | 1687.079 | 9676 | 1821.507 | 8806 |
| 790.4297 | 9523 | 951.5521 | 9679 | 1107.905 | 9837 | 1259.615 | 9979 | 1406.808 | 10082 | 1549.609 | 9764 | 1688.145 | 9684 | 1822.541 | 8885 |
| 791.7073 | 9577 | 952.7919 | 9625 | 1109.108 | 9889 | 1260.782 | 10152 | 1407.94 | 10153 | 1550.707 | 9793 | 1689.211 | 9684 | 1823.575 | 8857 |
| 792.9846 | 9576 | 954.0314 | 9671 | 1110.311 | 9794 | 1261.949 | 10009 | 1409.072 | 10137 | 1551.806 | 9876 | 1690.276 | 9742 | 1824.609 | 8781 |
| 794.2616 | 9570 | 955.2707 | 9737 | 1111.514 | 9775 | 1263.116 | 10049 | 1410.204 | 10077 | 1552.904 | 9851 | 1691.342 | 9766 | 1825.643 | 8847 |
| 795.5383 | 9572 | 956.5096 | 9712 | 1112.716 | 9797 | 1264.283 | 10036 | 1411.336 | 10071 | 1554.002 | 9815 | 1692.407 | 9808 | 1826.676 | 8868 |
| 796.8146 | 9533 | 957.7483 | 9690 | 1113.918 | 9894 | 1265.449 | 10085 | 1412.467 | 10074 | 1555.1 | 9944 | 1693.471 | 9762 | 1827.709 | 8807 |
| 798.0907 | 9572 | 958.9867 | 9717 | 1115.119 | 9808 | 1266.615 | 10110 | 1413.598 | 9997 | 1556.197 | 10013 | 1694.536 | 9855 | 1828.742 | 8821 |
| 799.3665 | 9582 | 960.2248 | 9629 | 1116.321 | 9937 | 1267.78 | 10139 | 1414.729 | 9943 | 1557.294 | 9946 | 1695.6 | 9859 | 1829.774 | 8789 |
| 800.642 | 9539 | 961.4626 | 9722 | 1117.522 | 9904 | 1268.946 | 10065 | 1415.86 | 10022 | 1558.391 | 9942 | 1696.664 | 9733 | 1830.807 | 8865 |
| 801.9172 | 9554 | 962.7001 | 9703 | 1118.723 | 9853 | 1270.111 | 10108 | 1416.99 | 9953 | 1559.488 | 10015 | 1697.728 | 9810 | 1831.839 | 8811 |
| 803.1921 | 9549 | 963.9373 | 9735 | 1119.923 | 9854 | 1271.275 | 10206 | 1418.12 | 9895 | 1560.584 | 9988 | 1698.792 | 9925 | 1832.87 | 8804 |
| 804.4667 | 9500 | 965.1742 | 9738 | 1121.123 | 9762 | 1272.44 | 10217 | 1419.25 | 9867 | 1561.68 | 9963 | 1699.855 | 9885 | 1833.902 | 8837 |
| 805.741 | 9568 | 966.4108 | 9737 | 1122.323 | 9836 | 1273.604 | 10282 | 1420.38 | 9818 | 1562.776 | 10222 | 1700.918 | 9811 | 1834.933 | 8780 |
| 807.015 | 9646 | 967.6472 | 9612 | 1123.523 | 9877 | 1274.768 | 10220 | 1421.509 | 9842 | 1563.871 | 10180 | 1701.981 | 9812 | 1835.964 | 8740 |
| 808.2887 | 9612 | 968.8832 | 9721 | 1124.722 | 9959 | 1275.932 | 10294 | 1422.638 | 9809 | 1564.967 | 10220 | 1703.044 | 9978 | 1836.995 | 8752 |
| 809.5621 | 9530 | 970.119 | 9758 | 1125.921 | 10006 | 1277.095 | 10274 | 1423.767 | 9864 | 1566.062 | 10271 | 1704.106 | 9925 | 1838.026 | 8767 |
| 810.8352 | 9630 | 971.3544 | 9700 | 1127.12 | 10084 | 1278.259 | 10342 | 1424.895 | 9780 | 1567.156 | 10403 | 1705.168 | 9866 | 1839.056 | 8787 |
| 812.108 | 9617 | 972.5896 | 9723 | 1128.319 | 10113 | 1279.421 | 10238 | 1426.023 | 9780 | 1568.251 | 10528 | 1706.23 | 9977 | 1840.086 | 8694 |
| 813.3805 | 9596 | 973.8245 | 9802 | 1129.517 | 10081 | 1280.584 | 10286 | 1427.151 | 9835 | 1569.345 | 10730 | 1707.291 | 9856 | 1841.116 | 8815 |
| 814.6527 | 9645 | 975.0591 | 9793 | 1130.715 | 9927 | 1281.746 | 10257 | 1428.279 | 9840 | 1570.439 | 10818 | 1708.353 | 9776 | 1842.146 | 8787 |
| 815.9246 | 9543 | 976.2934 | 9809 | 1131.913 | 9968 | 1282.908 | 10249 | 1429.407 | 9795 | 1571.533 | 11006 | 1709.414 | 9746 | 1843.175 | 8780 |
| 817.1962 | 9633 | 977.5274 | 9832 | 1133.11 | 9886 | 1284.07 | 10379 | 1430.534 | 9779 | 1572.626 | 11279 | 1710.475 | 9732 | 1844.204 | 8750 |
| 818.4675 | 9577 | 978.7612 | 9784 | 1134.307 | 9825 | 1285.232 | 10275 | 1431.661 | 9781 | 1573.72 | 11401 | 1711.535 | 9723 | 1845.233 | 8862 |
| 819.7385 | 9659 | 979.9946 | 9777 | 1135.504 | 9849 | 1286.393 | 10381 | 1432.787 | 9799 | 1574.813 | 11578 | 1712.596 | 9700 | 1846.262 | 8774 |
| 821.0093 | 9694 | 981.2278 | 9805 | 1136.701 | 9731 | 1287.554 | 10322 | 1433.913 | 9856 | 1575.905 | 12122 | 1713.656 | 9756 | 1847.29 | 8783 |
| 822.2797 | 9622 | 982.4606 | 9833 | 1137.897 | 9720 | 1288.715 | 10377 | 1435.04 | 9798 | 1576.998 | 12580 | 1714.715 | 9631 | 1848.318 | 8798 |
| 823.5498 | 9567 | 983.6932 | 9789 | 1139.093 | 9730 | 1289.875 | 10395 | 1436.165 | 9799 | 1578.09 | 13318 | 1715.775 | 9597 | 1849.346 | 8727 |
| 824.8196 | 9679 | 984.9255 | 9835 | 1140.289 | 9773 | 1291.035 | 10454 | 1437.291 | 9811 | 1579.182 | 13978 | 1716.834 | 9553 | 1850.374 | 8720 |
| 826.0892 | 9556 | 986.1575 | 9804 | 1141.484 | 9610 | 1292.195 | 10410 | 1438.416 | 9815 | 1580.274 | 14766 | 1717.893 | 9508 | 1851.401 | 8787 |
| 827.3584 | 9635 | 987.3892 | 9800 | 1142.679 | 9719 | 1293.355 | 10331 | 1439.541 | 9828 | 1581.365 | 15667 | 1718.952 | 9457 | 1852.428 | 8747 |
| 828.6273 | 9657 | 988.6206 | 9835 | 1143.874 | 9834 | 1294.514 | 10418 | 1440.666 | 9874 | 1582.456 | 16325 | 1720.011 | 9503 | 1853.455 | 8747 |
| 829.896 | 9727 | 989.8517 | 9891 | 1145.069 | 9689 | 1295.673 | 10465 | 1441.79 | 9876 | 1583.547 | 16883 | 1721.069 | 9436 | 1854.482 | 8801 |
| 831.1643 | 9635 | 991.0825 | 9887 | 1146.263 | 9609 | 1296.832 | 10414 | 1442.915 | 9938 | 1584.638 | 17026 | 1722.127 | 9431 | 1855.508 | 8785 |
| 832.4324 | 9666 | 992.3131 | 9940 | 1147.457 | 9768 | 1297.99 | 10393 | 1444.039 | 9886 | 1585.728 | 16855 | 1723.185 | 9324 | 1856.535 | 8816 |
| 833.7001 | 9733 | 993.5433 | 10004 | 1148.651 | 9699 | 1299.148 | 10376 | 1445.162 | 9880 | 1586.818 | 16075 | 1724.242 | 9395 | 1857.561 | 8784 |
| 834.9676 | 9686 | 994.7733 | 10083 | 1149.844 | 9814 | 1300.306 | 10312 | 1446.286 | 9879 | 1587.908 | 15114 | 1725.3 | 9333 | 1858.586 | 8741 |
| 836.2347 | 9728 | 996.003 | 10284 | 1151.037 | 9839 | 1301.464 | 10352 | 1447.409 | 9832 | 1588.998 | 14097 | 1726.357 | 9264 | 1859.612 | 8748 |
| 837.5016 | 9668 | 997.2324 | 10311 | 1152.23 | 9874 | 1302.621 | 10372 | 1448.532 | 9841 | 1590.087 | 13101 | 1727.414 | 9321 | 1860.637 | 8784 |
| 838.7682 | 9763 | 998.4615 | 10254 | 1153.423 | 9877 | 1303.779 | 10291 | 1449.654 | 9871 | 1591.176 | 12278 | 1728.47 | 9321 | 1861.662 | 8739 |
| 840.0344 | 9751 | 999.6903 | 10206 | 1154.615 | 9951 | 1304.935 | 10474 | 1450.777 | 9807 | 1592.265 | 11538 | 1729.526 | 9229 | 1862.687 | 8691 |
| 841.3004 | 9759 | 1000.919 | 10257 | 1155.807 | 9934 | 1306.092 | 10400 | 1451.899 | 9818 | 1593.354 | 11123 | 1730.582 | 9156 | 1863.711 | 8678 |
| 842.5661 | 9817 | 1002.147 | 10164 | 1156.999 | 10018 | 1307.248 | 10400 | 1453.021 | 9837 | 1594.442 | 10713 | 1731.638 | 9271 | 1864.736 | 8702 |
| 843.8315 | 9906 | 1003.375 | 10320 | 1158.191 | 9982 | 1308.404 | 10357 | 1454.142 | 9847 | 1595.53 | 10440 | 1732.694 | 9204 | 1865.76 | 8738 |
| 845.0965 | 9932 | 1004.603 | 10349 | 1159.382 | 10038 | 1309.56 | 10360 | 1455.263 | 9901 | 1596.618 | 10329 | 1733.749 | 9205 | 1866.783 | 8660 |
| 846.3613 | 9995 | 1005.83 | 10453 | 1160.573 | 10052 | 1310.716 | 10392 | 1456.384 | 9812 | 1597.705 | 10213 | 1734.804 | 9079 | 1867.807 | 8644 |
| 847.6258 | 10005 | 1007.057 | 10491 | 1161.763 | 10052 | 1311.871 | 10284 | 1457.505 | 9842 | 1598.793 | 10033 | 1735.859 | 9211 | 1868.83 | 8617 |
| 848.89 | 10045 | 1008.284 | 10493 | 1162.954 | 10025 | 1313.026 | 10297 | 1458.626 | 9803 | 1599.88 | 9994 | 1736.913 | 9203 | 1869.853 | 8702 |
| 850.1539 | 10114 | 1009.51 | 10501 | 1164.144 | 10128 | 1314.18 | 10295 | 1459.746 | 9776 | 1600.966 | 9978 | 1737.968 | 9160 | 1870.876 | 8708 |
| 851.4175 | 10184 | 1010.737 | 10509 | 1165.334 | 10070 | 1315.335 | 10189 | 1460.866 | 9792 | 1602.053 | 9857 | 1739.022 | 9094 | 1871.899 | 8632 |
| 852.6808 | 10029 | 1011.963 | 10460 | 1166.523 | 10209 | 1316.489 | 10198 | 1461.986 | 9807 | 1603.139 | 9785 | 1740.076 | 9025 | 1872.921 | 8643 |
| 853.9438 | 10042 | 1013.188 | 10343 | 1167.713 | 10162 | 1317.643 | 10091 | 1463.105 | 9720 | 1604.225 | 9817 | 1741.129 | 9059 | 1873.943 | 8672 |
| 855.2065 | 10045 | 1014.414 | 10244 | 1168.902 | 10164 | 1318.796 | 10023 | 1464.224 | 9744 | 1605.311 | 9754 | 1742.182 | 9053 | 1874.965 | 8725 |
| 856.469 | 9990 | 1015.639 | 10185 | 1170.09 | 10344 | 1319.95 | 10091 | 1465.343 | 9736 | 1606.396 | 9690 | 1743.235 | 8981 | 1875.986 | 8711 |
| 857.7311 | 10035 | 1016.863 | 10216 | 1171.279 | 10368 | 1321.103 | 10099 | 1466.462 | 9687 | 1607.482 | 9669 | 1744.288 | 9046 | 1877.008 | 8805 |
| 858.9929 | 10059 | 1018.088 | 10120 | 1172.467 | 10371 | 1322.255 | 10079 | 1467.58 | 9811 | 1608.567 | 9729 | 1745.341 | 8967 | 1878.029 | 8739 |
| 860.2544 | 10019 | 1019.312 | 10140 | 1173.655 | 10522 | 1323.408 | 10033 | 1468.698 | 9785 | 1609.651 | 9680 | 1746.393 | 9001 | 1879.05 | 8660 |
| 861.5157 | 10021 | 1020.536 | 10064 | 1174.842 | 10535 | 1324.56 | 9984 | 1469.816 | 9802 | 1610.736 | 9687 | 1747.445 | 9045 | 1880.07 | 8672 |
| 862.7766 | 10014 | 1021.76 | 10143 | 1176.029 | 10563 | 1325.712 | 9981 | 1470.934 | 9796 | 1611.82 | 9669 | 1748.497 | 9009 | 1881.091 | 8638 |
| 864.0373 | 10099 | 1022.983 | 10004 | 1177.216 | 10466 | 1326.864 | 10004 | 1472.051 | 9850 | 1612.904 | 9665 | 1749.548 | 8935 | 1882.111 | 8654 |
| 865.2976 | 9918 | 1024.206 | 9960 | 1178.403 | 10439 | 1328.015 | 9926 | 1473.168 | 9912 | 1613.987 | 9632 | 1750.6 | 9022 | 1883.131 | 8747 |
| 866.5577 | 9903 | 1025.429 | 9889 | 1179.59 | 10324 | 1329.166 | 10026 | 1474.285 | 9888 | 1615.071 | 9620 | 1751.651 | 9055 | 1884.151 | 8636 |
| 867.8174 | 9923 | 1026.651 | 9841 | 1180.776 | 10194 | 1330.317 | 10029 | 1475.401 | 10014 | 1616.154 | 9703 | 1752.702 | 8984 | 1885.17 | 8655 |
| 869.0769 | 9748 | 1027.873 | 9785 | 1181.962 | 10156 | 1331.468 | 9861 | 1476.518 | 10124 | 1617.237 | 9602 | 1753.752 | 9016 | 1886.189 | 8663 |
| 870.3361 | 9788 | 1029.095 | 9852 | 1183.147 | 10059 | 1332.618 | 9963 | 1477.633 | 10011 | 1618.32 | 9563 | 1754.803 | 9022 | 1887.208 | 8726 |
| 871.5949 | 9770 | 1030.317 | 9926 | 1184.333 | 9938 | 1333.768 | 9965 | 1478.749 | 10063 | 1619.402 | 9521 | 1755.853 | 8997 | 1888.227 | 8641 |
| 872.8535 | 9762 | 1031.538 | 9873 | 1185.518 | 9951 | 1334.918 | 9930 | 1479.865 | 10074 | 1620.484 | 9652 | 1756.902 | 8953 | 1889.245 | 8686 |
| 874.1118 | 9707 | 1032.759 | 9900 | 1186.702 | 9766 | 1336.067 | 9972 | 1480.98 | 10003 | 1621.566 | 9511 | 1757.952 | 8925 | 1890.263 | 8762 |
| 875.3698 | 9638 | 1033.98 | 9926 | 1187.887 | 9835 | 1337.217 | 9876 | 1482.095 | 9833 | 1622.648 | 9506 | 1759.001 | 8877 | 1891.281 | 8740 |
| 876.6275 | 9595 | 1035.201 | 9938 | 1189.071 | 9790 | 1338.366 | 9960 | 1483.209 | 9948 | 1623.729 | 9621 | 1760.05 | 8968 | 1892.299 | 8699 |
| 877.8849 | 9662 | 1036.421 | 10011 | 1190.255 | 9784 | 1339.514 | 9964 | 1484.324 | 9792 | 1624.81 | 9524 | 1761.099 | 8933 | 1893.317 | 8678 |
| 879.142 | 9652 | 1037.641 | 9973 | 1191.439 | 9722 | 1340.663 | 9911 | 1485.438 | 9776 | 1625.891 | 9503 | 1762.148 | 8965 | 1894.334 | 8665 |
| 880.3988 | 9608 | 1038.86 | 9913 | 1192.622 | 9777 | 1341.811 | 9911 | 1486.552 | 9749 | 1626.972 | 9573 | 1763.196 | 8945 | 1895.351 | 8643 |
| 881.6553 | 9615 | 1040.08 | 9951 | 1193.805 | 9773 | 1342.959 | 9908 | 1487.666 | 9768 | 1628.052 | 9488 | 1764.244 | 8983 | 1896.368 | 8553 |
| 882.9115 | 9670 | 1041.299 | 9997 | 1194.988 | 9775 | 1344.106 | 9958 | 1488.779 | 9686 | 1629.132 | 9454 | 1765.292 | 9028 | 1897.384 | 8679 |
| 884.1675 | 9637 | 1042.517 | 9978 | 1196.171 | 9832 | 1345.254 | 9947 | 1489.892 | 9663 | 1630.212 | 9466 | 1766.339 | 8930 | 1898.4 | 8678 |
| 885.4231 | 9665 | 1043.736 | 10043 | 1197.353 | 9857 | 1346.401 | 9877 | 1491.005 | 9731 | 1631.292 | 9531 | 1767.387 | 8930 | 1899.417 | 8610 |
| 886.6785 | 9638 | 1044.954 | 10025 | 1198.535 | 9782 | 1347.547 | 10021 | 1492.117 | 9725 | 1632.371 | 9435 | 1768.434 | 8920 | 1900.432 | 8669 |
| 887.9335 | 9604 | 1046.172 | 10048 | 1199.717 | 9778 | 1348.694 | 10062 | 1493.23 | 9612 | 1633.45 | 9359 | 1769.481 | 9001 | 1901.448 | 8636 |
| 889.1882 | 9585 | 1047.389 | 10005 | 1200.898 | 9825 | 1349.84 | 9976 | 1494.342 | 9615 | 1634.529 | 9444 | 1770.527 | 8987 | 1902.463 | 8587 |
| 890.4427 | 9608 | 1048.607 | 10140 | 1202.079 | 9825 | 1350.986 | 10034 | 1495.453 | 9686 | 1635.607 | 9361 | 1771.574 | 8985 | 1903.478 | 8654 |
| 891.6969 | 9646 | 1049.824 | 10060 | 1203.26 | 9845 | 1352.132 | 10097 | 1496.565 | 9638 | 1636.686 | 9388 | 1772.62 | 8957 | 1904.493 | 8733 |
| 892.9507 | 9659 | 1051.04 | 10120 | 1204.441 | 9798 | 1353.277 | 10137 | 1497.676 | 9566 | 1637.764 | 9384 | 1773.666 | 9063 | 1905.508 | 8671 |
| 894.2043 | 9679 | 1052.257 | 10178 | 1205.621 | 9843 | 1354.422 | 10123 | 1498.787 | 9657 | 1638.841 | 9350 | 1774.711 | 8896 | 1906.522 | 8637 |
| 895.4576 | 9598 | 1053.473 | 10313 | 1206.801 | 9861 | 1355.567 | 10199 | 1499.898 | 9661 | 1639.919 | 9370 | 1775.756 | 8956 | 1907.536 | 8665 |
| 896.7106 | 9594 | 1054.689 | 10286 | 1207.981 | 9848 | 1356.712 | 10312 | 1501.008 | 9579 | 1640.996 | 9342 | 1776.802 | 8949 | 1908.55 | 8662 |
| 897.9633 | 9566 | 1055.905 | 10486 | 1209.16 | 9856 | 1357.856 | 10335 | 1502.119 | 9683 | 1642.073 | 9399 | 1777.846 | 9039 | 1909.564 | 8645 |
| 899.2157 | 9646 | 1057.12 | 10591 | 1210.339 | 9874 | 1359 | 10508 | 1503.228 | 9673 | 1643.15 | 9348 | 1778.891 | 9001 | 1910.577 | 8610 |
| 900.4678 | 9569 | 1058.335 | 10578 | 1211.518 | 9859 | 1360.144 | 10536 | 1504.338 | 9604 | 1644.227 | 9363 | 1779.935 | 8988 | 1911.59 | 8610 |
| 901.7196 | 9614 | 1059.55 | 10754 | 1212.697 | 9882 | 1361.288 | 10578 | 1505.448 | 9632 | 1645.303 | 9344 | 1780.979 | 9007 | 1912.603 | 8684 |
| 902.9711 | 9592 | 1060.764 | 10965 | 1213.875 | 9849 | 1362.431 | 10718 | 1506.557 | 9598 | 1646.379 | 9355 | 1782.023 | 9057 | 1913.616 | 8623 |
| 904.2223 | 9594 | 1061.978 | 11242 | 1215.053 | 9825 | 1363.574 | 10800 | 1507.666 | 9587 | 1647.455 | 9362 | 1783.067 | 8972 | 1914.628 | 8616 |
| 905.4733 | 9617 | 1063.192 | 11487 | 1216.231 | 9827 | 1364.717 | 10923 | 1508.774 | 9570 | 1648.53 | 9383 | 1784.11 | 8975 | 1915.641 | 8605 |
| 906.7239 | 9617 | 1064.406 | 11924 | 1217.409 | 9899 | 1365.859 | 10872 | 1509.883 | 9628 | 1649.605 | 9395 | 1785.153 | 8982 | 1916.653 | 8720 |
| 907.9743 | 9625 | 1065.619 | 12123 | 1218.586 | 9854 | 1367.001 | 10950 | 1510.991 | 9646 | 1650.68 | 9308 | 1786.196 | 8908 | 1917.664 | 8602 |
| 909.2243 | 9626 | 1066.832 | 12643 | 1219.763 | 9956 | 1368.143 | 11118 | 1512.098 | 9606 | 1651.755 | 9410 | 1787.239 | 8952 | 1918.676 | 8624 |
| 910.4741 | 9567 | 1068.045 | 13169 | 1220.94 | 9823 | 1369.285 | 11164 | 1513.206 | 9568 | 1652.83 | 9407 | 1788.281 | 8895 | 1919.687 | 8606 |
| 911.7235 | 9642 | 1069.257 | 13470 | 1222.116 | 9916 | 1370.426 | 11265 | 1514.313 | 9669 | 1653.904 | 9432 | 1789.323 | 8921 | 1920.698 | 8634 |
| 912.9727 | 9578 | 1070.469 | 14238 | 1223.292 | 10053 | 1371.567 | 11220 | 1515.42 | 9611 | 1654.978 | 9323 | 1790.365 | 8818 | 1921.709 | 8559 |
| 914.2216 | 9607 | 1071.681 | 14767 | 1224.468 | 10045 | 1372.708 | 11315 | 1516.527 | 9537 | 1656.051 | 9420 | 1791.407 | 8944 | 1922.719 | 8511 |
| 915.4702 | 9606 | 1072.893 | 15169 | 1225.644 | 10095 | 1373.849 | 11371 | 1517.634 | 9667 | 1657.125 | 9368 | 1792.448 | 8990 | 1923.73 | 8610 |
| 916.7185 | 9601 | 1074.104 | 15423 | 1226.819 | 10108 | 1374.989 | 11452 | 1518.74 | 9665 | 1658.198 | 9359 | 1793.489 | 8937 | 1924.74 | 8626 |
| 917.9665 | 9556 | 1075.315 | 15564 | 1227.994 | 10061 | 1376.129 | 11517 | 1519.846 | 9671 | 1659.271 | 9450 | 1794.53 | 8889 | 1925.75 | 8589 |
| 919.2142 | 9610 | 1076.526 | 15323 | 1229.169 | 10211 | 1377.269 | 11573 | 1520.952 | 9694 | 1660.344 | 9378 | 1795.571 | 8881 | 1926.759 | 8646 |
| 920.4616 | 9713 | 1077.736 | 15015 | 1230.343 | 10366 | 1378.408 | 11666 | 1522.057 | 9563 | 1661.416 | 9420 | 1796.611 | 8915 | 1927.769 | 8591 |
| 921.7087 | 9530 | 1078.946 | 14643 | 1231.517 | 10413 | 1379.547 | 11590 | 1523.162 | 9676 | 1662.488 | 9357 | 1797.651 | 8823 | 1928.778 | 8580 |
| 922.9556 | 9641 | 1080.156 | 14000 | 1232.691 | 10459 | 1380.686 | 11503 | 1524.267 | 9583 | 1663.56 | 9399 | 1798.691 | 8889 | 1929.787 | 8613 |
| 924.2021 | 9579 | 1081.366 | 13165 | 1233.865 | 10462 | 1381.825 | 11589 | 1525.372 | 9650 | 1664.632 | 9373 | 1799.731 | 8874 | 1930.795 | 8613 |
| 925.4483 | 9513 | 1082.575 | 12535 | 1235.038 | 10626 | 1382.963 | 11407 | 1526.476 | 9662 | 1665.703 | 9463 | 1800.77 | 8877 | 1931.804 | 8602 |
| 926.6943 | 9590 | 1083.784 | 12028 | 1236.211 | 10578 | 1384.101 | 11362 | 1527.58 | 9662 | 1666.775 | 9430 | 1801.81 | 8861 | 1932.812 | 8612 |
| 927.94 | 9556 | 1084.993 | 11460 | 1237.384 | 10631 | 1385.239 | 11256 | 1528.684 | 9572 | 1667.845 | 9439 | 1802.849 | 8900 | 1933.82 | 8565 |
| 929.1853 | 9658 | 1086.202 | 11171 | 1238.557 | 10715 | 1386.377 | 11270 | 1529.788 | 9625 | 1668.916 | 9499 | 1803.887 | 8902 | 1934.827 | 8575 |
| 930.4304 | 9514 | 1087.41 | 10790 | 1239.729 | 10690 | 1387.514 | 11180 | 1530.891 | 9599 | 1669.987 | 9386 | 1804.926 | 8877 | 1935.835 | 8602 |
| 931.6752 | 9584 | 1088.618 | 10556 | 1240.901 | 10699 | 1388.651 | 11005 | 1531.994 | 9658 | 1671.057 | 9474 | 1805.964 | 8853 | 1936.842 | 8605 |
| 932.9197 | 9590 | 1089.825 | 10351 | 1242.073 | 10736 | 1389.788 | 11018 | 1533.097 | 9577 | 1672.127 | 9553 | 1807.002 | 8914 | 1937.849 | 8562 |
| 934.1639 | 9597 | 1091.033 | 10232 | 1243.244 | 10754 | 1390.925 | 10872 | 1534.2 | 9613 | 1673.196 | 9492 | 1808.039 | 8911 | 1938.856 | 8588 |
| 935.4078 | 9623 | 1092.24 | 10105 | 1244.415 | 10672 | 1392.061 | 10816 | 1535.302 | 9577 | 1674.266 | 9505 | 1809.077 | 8873 | 1939.862 | 8581 |
| 936.6514 | 9683 | 1093.446 | 10081 | 1245.586 | 10616 | 1393.197 | 10640 | 1536.404 | 9629 | 1675.335 | 9502 | 1810.114 | 8903 | 1940.868 | 8551 |
| 937.8947 | 9610 | 1094.653 | 10069 | 1246.757 | 10580 | 1394.332 | 10600 | 1537.506 | 9619 | 1676.404 | 9510 | 1811.151 | 8903 | 1941.874 | 8625 |
| 939.1378 | 9648 | 1095.859 | 9985 | 1247.927 | 10455 | 1395.468 | 10571 | 1538.608 | 9641 | 1677.472 | 9520 | 1812.188 | 8891 | 1942.88 | 8643 |
| 940.3805 | 9625 | 1097.065 | 9968 | 1249.097 | 10469 | 1396.603 | 10596 | 1539.709 | 9629 | 1678.541 | 9559 | 1813.224 | 8889 | 1943.886 | 8497 |
| 941.623 | 9617 | 1098.27 | 10001 | 1250.267 | 10387 | 1397.738 | 10424 | 1540.81 | 9583 | 1679.609 | 9592 | 1814.26 | 8916 | 1944.891 | 8588 |
| 942.8651 | 9638 | 1099.476 | 9910 | 1251.436 | 10265 | 1398.873 | 10370 | 1541.911 | 9666 | 1680.677 | 9653 | 1815.296 | 8949 | 1945.896 | 8616 |
| 944.107 | 9528 | 1100.681 | 9869 | 1252.606 | 10191 | 1400.007 | 10361 | 1543.011 | 9716 | 1681.744 | 9617 | 1816.332 | 8878 | 1946.901 | 8621 |

Applied potential: –0.25 V-1



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 11966 | 945.3486 | 12205 | 1101.886 | 12791 | 1253.774 | 13163 | 1401.141 | 14542 | 1544.112 | 11899 | 1682.812 | 11572 | 1817.368 | 10145 |
| 785.3164 | 12170 | 946.5899 | 12167 | 1103.09 | 12788 | 1254.943 | 13135 | 1402.275 | 14048 | 1545.211 | 11910 | 1683.879 | 11466 | 1818.403 | 10131 |
| 786.5952 | 12210 | 947.8308 | 12163 | 1104.294 | 12666 | 1256.112 | 13003 | 1403.408 | 13773 | 1546.311 | 11953 | 1684.946 | 11541 | 1819.438 | 10049 |
| 787.8737 | 12153 | 949.0715 | 12206 | 1105.498 | 12690 | 1257.28 | 12824 | 1404.542 | 13467 | 1547.411 | 11942 | 1686.012 | 11699 | 1820.473 | 10029 |
| 789.1519 | 12258 | 950.312 | 12294 | 1106.702 | 12642 | 1258.447 | 12720 | 1405.675 | 13360 | 1548.51 | 12038 | 1687.079 | 11767 | 1821.507 | 9979 |
| 790.4297 | 12265 | 951.5521 | 12144 | 1107.905 | 12551 | 1259.615 | 12677 | 1406.808 | 12992 | 1549.609 | 12148 | 1688.145 | 11680 | 1822.541 | 10001 |
| 791.7073 | 12194 | 952.7919 | 12192 | 1109.108 | 12475 | 1260.782 | 12700 | 1407.94 | 12873 | 1550.707 | 12140 | 1689.211 | 11957 | 1823.575 | 9986 |
| 792.9846 | 12255 | 954.0314 | 12273 | 1110.311 | 12482 | 1261.949 | 12644 | 1409.072 | 12755 | 1551.806 | 12208 | 1690.276 | 11935 | 1824.609 | 10026 |
| 794.2616 | 12261 | 955.2707 | 12231 | 1111.514 | 12512 | 1263.116 | 12738 | 1410.204 | 12598 | 1552.904 | 12254 | 1691.342 | 11939 | 1825.643 | 9985 |
| 795.5383 | 12175 | 956.5096 | 12203 | 1112.716 | 12469 | 1264.283 | 12567 | 1411.336 | 12481 | 1554.002 | 12245 | 1692.407 | 11921 | 1826.676 | 9921 |
| 796.8146 | 12233 | 957.7483 | 12184 | 1113.918 | 12502 | 1265.449 | 12657 | 1412.467 | 12352 | 1555.1 | 12307 | 1693.471 | 12021 | 1827.709 | 10028 |
| 798.0907 | 12221 | 958.9867 | 12207 | 1115.119 | 12441 | 1266.615 | 12580 | 1413.598 | 12386 | 1556.197 | 12391 | 1694.536 | 12032 | 1828.742 | 9960 |
| 799.3665 | 12195 | 960.2248 | 12341 | 1116.321 | 12410 | 1267.78 | 12707 | 1414.729 | 12331 | 1557.294 | 12453 | 1695.6 | 12068 | 1829.774 | 9956 |
| 800.642 | 12185 | 961.4626 | 12240 | 1117.522 | 12501 | 1268.946 | 12845 | 1415.86 | 12326 | 1558.391 | 12569 | 1696.664 | 12129 | 1830.807 | 9972 |
| 801.9172 | 12243 | 962.7001 | 12149 | 1118.723 | 12408 | 1270.111 | 12904 | 1416.99 | 12253 | 1559.488 | 12468 | 1697.728 | 12332 | 1831.839 | 9858 |
| 803.1921 | 12209 | 963.9373 | 12154 | 1119.923 | 12466 | 1271.275 | 13107 | 1418.12 | 12131 | 1560.584 | 12608 | 1698.792 | 12376 | 1832.87 | 9942 |
| 804.4667 | 12258 | 965.1742 | 12151 | 1121.123 | 12423 | 1272.44 | 13232 | 1419.25 | 12124 | 1561.68 | 12748 | 1699.855 | 12495 | 1833.902 | 9884 |
| 805.741 | 12225 | 966.4108 | 12278 | 1122.323 | 12346 | 1273.604 | 13271 | 1420.38 | 12116 | 1562.776 | 12812 | 1700.918 | 12601 | 1834.933 | 9936 |
| 807.015 | 12217 | 967.6472 | 12331 | 1123.523 | 12495 | 1274.768 | 13470 | 1421.509 | 12111 | 1563.871 | 12851 | 1701.981 | 12599 | 1835.964 | 9952 |
| 808.2887 | 12254 | 968.8832 | 12288 | 1124.722 | 12557 | 1275.932 | 13524 | 1422.638 | 12048 | 1564.967 | 13105 | 1703.044 | 12729 | 1836.995 | 9957 |
| 809.5621 | 12227 | 970.119 | 12308 | 1125.921 | 12672 | 1277.095 | 13674 | 1423.767 | 12045 | 1566.062 | 13275 | 1704.106 | 12785 | 1838.026 | 9955 |
| 810.8352 | 12269 | 971.3544 | 12241 | 1127.12 | 12752 | 1278.259 | 13625 | 1424.895 | 12111 | 1567.156 | 13329 | 1705.168 | 12809 | 1839.056 | 9921 |
| 812.108 | 12192 | 972.5896 | 12282 | 1128.319 | 12855 | 1279.421 | 13686 | 1426.023 | 12140 | 1568.251 | 13554 | 1706.23 | 12716 | 1840.086 | 9963 |
| 813.3805 | 12279 | 973.8245 | 12326 | 1129.517 | 12885 | 1280.584 | 13735 | 1427.151 | 12125 | 1569.345 | 13747 | 1707.291 | 12798 | 1841.116 | 9888 |
| 814.6527 | 12277 | 975.0591 | 12399 | 1130.715 | 12805 | 1281.746 | 13743 | 1428.279 | 12247 | 1570.439 | 14041 | 1708.353 | 12639 | 1842.146 | 9899 |
| 815.9246 | 12359 | 976.2934 | 12284 | 1131.913 | 12824 | 1282.908 | 13759 | 1429.407 | 12253 | 1571.533 | 14423 | 1709.414 | 12530 | 1843.175 | 9860 |
| 817.1962 | 12410 | 977.5274 | 12404 | 1133.11 | 12633 | 1284.07 | 13915 | 1430.534 | 12213 | 1572.626 | 14681 | 1710.475 | 12401 | 1844.204 | 9911 |
| 818.4675 | 12278 | 978.7612 | 12405 | 1134.307 | 12533 | 1285.232 | 14012 | 1431.661 | 12202 | 1573.72 | 15323 | 1711.535 | 12186 | 1845.233 | 9915 |
| 819.7385 | 12309 | 979.9946 | 12526 | 1135.504 | 12399 | 1286.393 | 14158 | 1432.787 | 12131 | 1574.813 | 15850 | 1712.596 | 12014 | 1846.262 | 9821 |
| 821.0093 | 12271 | 981.2278 | 12482 | 1136.701 | 12372 | 1287.554 | 14146 | 1433.913 | 12228 | 1575.905 | 16704 | 1713.656 | 11891 | 1847.29 | 9938 |
| 822.2797 | 12307 | 982.4606 | 12433 | 1137.897 | 12222 | 1288.715 | 14179 | 1435.04 | 12185 | 1576.998 | 17727 | 1714.715 | 11563 | 1848.318 | 10002 |
| 823.5498 | 12337 | 983.6932 | 12497 | 1139.093 | 12109 | 1289.875 | 14411 | 1436.165 | 12131 | 1578.09 | 18958 | 1715.775 | 11454 | 1849.346 | 9910 |
| 824.8196 | 12435 | 984.9255 | 12483 | 1140.289 | 12086 | 1291.035 | 14453 | 1437.291 | 12181 | 1579.182 | 20597 | 1716.834 | 11232 | 1850.374 | 9877 |
| 826.0892 | 12383 | 986.1575 | 12521 | 1141.484 | 12178 | 1292.195 | 14510 | 1438.416 | 12106 | 1580.274 | 22540 | 1717.893 | 11215 | 1851.401 | 9939 |
| 827.3584 | 12394 | 987.3892 | 12619 | 1142.679 | 12221 | 1293.355 | 14448 | 1439.541 | 12259 | 1581.365 | 24197 | 1718.952 | 11011 | 1852.428 | 9912 |
| 828.6273 | 12486 | 988.6206 | 12643 | 1143.874 | 12156 | 1294.514 | 14503 | 1440.666 | 12254 | 1582.456 | 25789 | 1720.011 | 10999 | 1853.455 | 10023 |
| 829.896 | 12449 | 989.8517 | 12723 | 1145.069 | 12214 | 1295.673 | 14420 | 1441.79 | 12341 | 1583.547 | 26912 | 1721.069 | 10953 | 1854.482 | 9962 |
| 831.1643 | 12610 | 991.0825 | 12716 | 1146.263 | 12198 | 1296.832 | 14346 | 1442.915 | 12328 | 1584.638 | 27455 | 1722.127 | 10682 | 1855.508 | 9911 |
| 832.4324 | 12502 | 992.3131 | 12802 | 1147.457 | 12226 | 1297.99 | 14211 | 1444.039 | 12365 | 1585.728 | 26585 | 1723.185 | 10744 | 1856.535 | 9930 |
| 833.7001 | 12445 | 993.5433 | 12857 | 1148.651 | 12298 | 1299.148 | 14263 | 1445.162 | 12469 | 1586.818 | 25188 | 1724.242 | 10681 | 1857.561 | 9955 |
| 834.9676 | 12541 | 994.7733 | 12961 | 1149.844 | 12161 | 1300.306 | 14303 | 1446.286 | 12480 | 1587.908 | 23027 | 1725.3 | 10611 | 1858.586 | 10049 |
| 836.2347 | 12494 | 996.003 | 13210 | 1151.037 | 12230 | 1301.464 | 14194 | 1447.409 | 12471 | 1588.998 | 20850 | 1726.357 | 10582 | 1859.612 | 9899 |
| 837.5016 | 12601 | 997.2324 | 13398 | 1152.23 | 12362 | 1302.621 | 14272 | 1448.532 | 12509 | 1590.087 | 18715 | 1727.414 | 10540 | 1860.637 | 9822 |
| 838.7682 | 12627 | 998.4615 | 13592 | 1153.423 | 12461 | 1303.779 | 14192 | 1449.654 | 12420 | 1591.176 | 16977 | 1728.47 | 10551 | 1861.662 | 9934 |
| 840.0344 | 12734 | 999.6903 | 13677 | 1154.615 | 12510 | 1304.935 | 14134 | 1450.777 | 12393 | 1592.265 | 15610 | 1729.526 | 10487 | 1862.687 | 9867 |
| 841.3004 | 12785 | 1000.919 | 13826 | 1155.807 | 12557 | 1306.092 | 14153 | 1451.899 | 12395 | 1593.354 | 14671 | 1730.582 | 10459 | 1863.711 | 9863 |
| 842.5661 | 12812 | 1002.147 | 13794 | 1156.999 | 12677 | 1307.248 | 14081 | 1453.021 | 12402 | 1594.442 | 13885 | 1731.638 | 10378 | 1864.736 | 9853 |
| 843.8315 | 13031 | 1003.375 | 13792 | 1158.191 | 12770 | 1308.404 | 14040 | 1454.142 | 12354 | 1595.53 | 13444 | 1732.694 | 10449 | 1865.76 | 9820 |
| 845.0965 | 13006 | 1004.603 | 13825 | 1159.382 | 12843 | 1309.56 | 13975 | 1455.263 | 12429 | 1596.618 | 12983 | 1733.749 | 10405 | 1866.783 | 9842 |
| 846.3613 | 13318 | 1005.83 | 13691 | 1160.573 | 12848 | 1310.716 | 13922 | 1456.384 | 12370 | 1597.705 | 12876 | 1734.804 | 10453 | 1867.807 | 9766 |
| 847.6258 | 13440 | 1007.057 | 13475 | 1161.763 | 12907 | 1311.871 | 13932 | 1457.505 | 12409 | 1598.793 | 12613 | 1735.859 | 10381 | 1868.83 | 9858 |
| 848.89 | 13688 | 1008.284 | 13319 | 1162.954 | 12864 | 1313.026 | 13817 | 1458.626 | 12264 | 1599.88 | 12520 | 1736.913 | 10383 | 1869.853 | 9816 |
| 850.1539 | 13779 | 1009.51 | 13198 | 1164.144 | 12939 | 1314.18 | 13734 | 1459.746 | 12192 | 1600.966 | 12449 | 1737.968 | 10401 | 1870.876 | 9820 |
| 851.4175 | 13927 | 1010.737 | 13212 | 1165.334 | 12976 | 1315.335 | 13571 | 1460.866 | 12050 | 1602.053 | 12304 | 1739.022 | 10295 | 1871.899 | 9830 |
| 852.6808 | 13786 | 1011.963 | 13140 | 1166.523 | 12993 | 1316.489 | 13414 | 1461.986 | 12086 | 1603.139 | 12219 | 1740.076 | 10329 | 1872.921 | 9852 |
| 853.9438 | 13667 | 1013.188 | 13099 | 1167.713 | 12988 | 1317.643 | 13320 | 1463.105 | 12144 | 1604.225 | 12088 | 1741.129 | 10347 | 1873.943 | 9866 |
| 855.2065 | 13677 | 1014.414 | 12997 | 1168.902 | 13038 | 1318.796 | 13235 | 1464.224 | 12208 | 1605.311 | 12068 | 1742.182 | 10368 | 1874.965 | 9887 |
| 856.469 | 13417 | 1015.639 | 12902 | 1170.09 | 13118 | 1319.95 | 13034 | 1465.343 | 12126 | 1606.396 | 11892 | 1743.235 | 10374 | 1875.986 | 9828 |
| 857.7311 | 13437 | 1016.863 | 12900 | 1171.279 | 12977 | 1321.103 | 12970 | 1466.462 | 12035 | 1607.482 | 11970 | 1744.288 | 10379 | 1877.008 | 9896 |
| 858.9929 | 13312 | 1018.088 | 12931 | 1172.467 | 13100 | 1322.255 | 12933 | 1467.58 | 12081 | 1608.567 | 11923 | 1745.341 | 10323 | 1878.029 | 9803 |
| 860.2544 | 13361 | 1019.312 | 12817 | 1173.655 | 13121 | 1323.408 | 12943 | 1468.698 | 12073 | 1609.651 | 11892 | 1746.393 | 10366 | 1879.05 | 9795 |
| 861.5157 | 13338 | 1020.536 | 12792 | 1174.842 | 13158 | 1324.56 | 12713 | 1469.816 | 12096 | 1610.736 | 11769 | 1747.445 | 10386 | 1880.07 | 9856 |
| 862.7766 | 13221 | 1021.76 | 12735 | 1176.029 | 13024 | 1325.712 | 12740 | 1470.934 | 11971 | 1611.82 | 11724 | 1748.497 | 10307 | 1881.091 | 9798 |
| 864.0373 | 13184 | 1022.983 | 12787 | 1177.216 | 13225 | 1326.864 | 12703 | 1472.051 | 12104 | 1612.904 | 11638 | 1749.548 | 10285 | 1882.111 | 9734 |
| 865.2976 | 13070 | 1024.206 | 12716 | 1178.403 | 13133 | 1328.015 | 12726 | 1473.168 | 12166 | 1613.987 | 11724 | 1750.6 | 10262 | 1883.131 | 9805 |
| 866.5577 | 12918 | 1025.429 | 12700 | 1179.59 | 13106 | 1329.166 | 12614 | 1474.285 | 12223 | 1615.071 | 11751 | 1751.651 | 10224 | 1884.151 | 9824 |
| 867.8174 | 12876 | 1026.651 | 12915 | 1180.776 | 12984 | 1330.317 | 12685 | 1475.401 | 12266 | 1616.154 | 11579 | 1752.702 | 10278 | 1885.17 | 9757 |
| 869.0769 | 12717 | 1027.873 | 12942 | 1181.962 | 13026 | 1331.468 | 12588 | 1476.518 | 12370 | 1617.237 | 11488 | 1753.752 | 10268 | 1886.189 | 9872 |
| 870.3361 | 12601 | 1029.095 | 12987 | 1183.147 | 12781 | 1332.618 | 12553 | 1477.633 | 12411 | 1618.32 | 11555 | 1754.803 | 10252 | 1887.208 | 9823 |
| 871.5949 | 12588 | 1030.317 | 12941 | 1184.333 | 12751 | 1333.768 | 12614 | 1478.749 | 12450 | 1619.402 | 11530 | 1755.853 | 10292 | 1888.227 | 9846 |
| 872.8535 | 12384 | 1031.538 | 13050 | 1185.518 | 12660 | 1334.918 | 12624 | 1479.865 | 12281 | 1620.484 | 11526 | 1756.902 | 10161 | 1889.245 | 9802 |
| 874.1118 | 12478 | 1032.759 | 13048 | 1186.702 | 12408 | 1336.067 | 12673 | 1480.98 | 12323 | 1621.566 | 11342 | 1757.952 | 10179 | 1890.263 | 9799 |
| 875.3698 | 12402 | 1033.98 | 12916 | 1187.887 | 12378 | 1337.217 | 12644 | 1482.095 | 12149 | 1622.648 | 11353 | 1759.001 | 10227 | 1891.281 | 9820 |
| 876.6275 | 12337 | 1035.201 | 12832 | 1189.071 | 12265 | 1338.366 | 12653 | 1483.209 | 11986 | 1623.729 | 11377 | 1760.05 | 10207 | 1892.299 | 9832 |
| 877.8849 | 12364 | 1036.421 | 12730 | 1190.255 | 12220 | 1339.514 | 12609 | 1484.324 | 11941 | 1624.81 | 11335 | 1761.099 | 10177 | 1893.317 | 9819 |
| 879.142 | 12314 | 1037.641 | 12793 | 1191.439 | 12152 | 1340.663 | 12765 | 1485.438 | 11813 | 1625.891 | 11247 | 1762.148 | 10219 | 1894.334 | 9768 |
| 880.3988 | 12292 | 1038.86 | 12803 | 1192.622 | 12152 | 1341.811 | 12656 | 1486.552 | 11740 | 1626.972 | 11251 | 1763.196 | 10209 | 1895.351 | 9807 |
| 881.6553 | 12310 | 1040.08 | 12681 | 1193.805 | 12151 | 1342.959 | 12721 | 1487.666 | 11646 | 1628.052 | 11188 | 1764.244 | 10227 | 1896.368 | 9742 |
| 882.9115 | 12298 | 1041.299 | 12725 | 1194.988 | 12124 | 1344.106 | 12653 | 1488.779 | 11701 | 1629.132 | 11203 | 1765.292 | 10230 | 1897.384 | 9838 |
| 884.1675 | 12310 | 1042.517 | 12699 | 1196.171 | 12157 | 1345.254 | 12547 | 1489.892 | 11686 | 1630.212 | 11196 | 1766.339 | 10229 | 1898.4 | 9839 |
| 885.4231 | 12248 | 1043.736 | 12716 | 1197.353 | 12152 | 1346.401 | 12637 | 1491.005 | 11647 | 1631.292 | 11126 | 1767.387 | 10270 | 1899.417 | 9842 |
| 886.6785 | 12357 | 1044.954 | 12781 | 1198.535 | 12218 | 1347.547 | 12567 | 1492.117 | 11641 | 1632.371 | 11139 | 1768.434 | 10196 | 1900.432 | 9816 |
| 887.9335 | 12379 | 1046.172 | 12784 | 1199.717 | 12149 | 1348.694 | 12607 | 1493.23 | 11577 | 1633.45 | 11015 | 1769.481 | 10319 | 1901.448 | 9760 |
| 889.1882 | 12247 | 1047.389 | 12733 | 1200.898 | 12162 | 1349.84 | 12653 | 1494.342 | 11535 | 1634.529 | 11172 | 1770.527 | 10303 | 1902.463 | 9896 |
| 890.4427 | 12188 | 1048.607 | 12882 | 1202.079 | 12323 | 1350.986 | 12559 | 1495.453 | 11701 | 1635.607 | 11104 | 1771.574 | 10314 | 1903.478 | 9749 |
| 891.6969 | 12357 | 1049.824 | 12907 | 1203.26 | 12273 | 1352.132 | 12596 | 1496.565 | 11620 | 1636.686 | 11013 | 1772.62 | 10340 | 1904.493 | 9762 |
| 892.9507 | 12299 | 1051.04 | 12929 | 1204.441 | 12277 | 1353.277 | 12709 | 1497.676 | 11618 | 1637.764 | 10972 | 1773.666 | 10272 | 1905.508 | 9821 |
| 894.2043 | 12261 | 1052.257 | 13042 | 1205.621 | 12238 | 1354.422 | 12764 | 1498.787 | 11661 | 1638.841 | 10982 | 1774.711 | 10316 | 1906.522 | 9841 |
| 895.4576 | 12270 | 1053.473 | 13073 | 1206.801 | 12301 | 1355.567 | 12871 | 1499.898 | 11618 | 1639.919 | 10997 | 1775.756 | 10185 | 1907.536 | 9739 |
| 896.7106 | 12276 | 1054.689 | 13213 | 1207.981 | 12260 | 1356.712 | 12820 | 1501.008 | 11631 | 1640.996 | 11005 | 1776.802 | 10276 | 1908.55 | 9718 |
| 897.9633 | 12267 | 1055.905 | 13406 | 1209.16 | 12352 | 1357.856 | 12969 | 1502.119 | 11561 | 1642.073 | 11063 | 1777.846 | 10251 | 1909.564 | 9747 |
| 899.2157 | 12373 | 1057.12 | 13506 | 1210.339 | 12374 | 1359 | 13041 | 1503.228 | 11515 | 1643.15 | 10918 | 1778.891 | 10230 | 1910.577 | 9750 |
| 900.4678 | 12266 | 1058.335 | 13709 | 1211.518 | 12432 | 1360.144 | 13082 | 1504.338 | 11622 | 1644.227 | 10937 | 1779.935 | 10223 | 1911.59 | 9778 |
| 901.7196 | 12222 | 1059.55 | 13924 | 1212.697 | 12467 | 1361.288 | 13128 | 1505.448 | 11610 | 1645.303 | 10911 | 1780.979 | 10279 | 1912.603 | 9717 |
| 902.9711 | 12289 | 1060.764 | 14300 | 1213.875 | 12405 | 1362.431 | 13293 | 1506.557 | 11570 | 1646.379 | 10918 | 1782.023 | 10243 | 1913.616 | 9790 |
| 904.2223 | 12177 | 1061.978 | 14571 | 1215.053 | 12544 | 1363.574 | 13517 | 1507.666 | 11541 | 1647.455 | 10996 | 1783.067 | 10295 | 1914.628 | 9637 |
| 905.4733 | 12105 | 1063.192 | 14930 | 1216.231 | 12640 | 1364.717 | 13568 | 1508.774 | 11488 | 1648.53 | 10818 | 1784.11 | 10243 | 1915.641 | 9623 |
| 906.7239 | 12168 | 1064.406 | 15425 | 1217.409 | 12605 | 1365.859 | 13758 | 1509.883 | 11419 | 1649.605 | 10914 | 1785.153 | 10204 | 1916.653 | 9711 |
| 907.9743 | 12217 | 1065.619 | 15686 | 1218.586 | 12633 | 1367.001 | 13739 | 1510.991 | 11545 | 1650.68 | 10934 | 1786.196 | 10313 | 1917.664 | 9683 |
| 909.2243 | 12337 | 1066.832 | 16091 | 1219.763 | 12717 | 1368.143 | 13873 | 1512.098 | 11595 | 1651.755 | 10911 | 1787.239 | 10242 | 1918.676 | 9707 |
| 910.4741 | 12164 | 1068.045 | 16518 | 1220.94 | 12618 | 1369.285 | 14164 | 1513.206 | 11531 | 1652.83 | 10893 | 1788.281 | 10204 | 1919.687 | 9756 |
| 911.7235 | 12200 | 1069.257 | 16952 | 1222.116 | 12828 | 1370.426 | 14250 | 1514.313 | 11599 | 1653.904 | 10953 | 1789.323 | 10285 | 1920.698 | 9661 |
| 912.9727 | 12375 | 1070.469 | 17462 | 1223.292 | 12797 | 1371.567 | 14280 | 1515.42 | 11685 | 1654.978 | 10875 | 1790.365 | 10206 | 1921.709 | 9638 |
| 914.2216 | 12136 | 1071.681 | 18190 | 1224.468 | 12836 | 1372.708 | 14547 | 1516.527 | 11690 | 1656.051 | 10906 | 1791.407 | 10171 | 1922.719 | 9713 |
| 915.4702 | 12229 | 1072.893 | 18911 | 1225.644 | 12993 | 1373.849 | 14728 | 1517.634 | 11619 | 1657.125 | 10918 | 1792.448 | 10280 | 1923.73 | 9647 |
| 916.7185 | 12137 | 1074.104 | 19565 | 1226.819 | 13071 | 1374.989 | 14878 | 1518.74 | 11681 | 1658.198 | 10913 | 1793.489 | 10183 | 1924.74 | 9701 |
| 917.9665 | 12250 | 1075.315 | 20441 | 1227.994 | 13258 | 1376.129 | 15122 | 1519.846 | 11777 | 1659.271 | 10995 | 1794.53 | 10114 | 1925.75 | 9629 |
| 919.2142 | 12177 | 1076.526 | 21214 | 1229.169 | 13375 | 1377.269 | 15295 | 1520.952 | 11746 | 1660.344 | 10936 | 1795.571 | 10204 | 1926.759 | 9748 |
| 920.4616 | 12227 | 1077.736 | 21574 | 1230.343 | 13587 | 1378.408 | 15494 | 1522.057 | 11824 | 1661.416 | 10935 | 1796.611 | 10117 | 1927.769 | 9699 |
| 921.7087 | 12145 | 1078.946 | 21837 | 1231.517 | 13712 | 1379.547 | 15790 | 1523.162 | 11889 | 1662.488 | 10960 | 1797.651 | 10109 | 1928.778 | 9743 |
| 922.9556 | 12254 | 1080.156 | 21777 | 1232.691 | 13857 | 1380.686 | 15905 | 1524.267 | 11931 | 1663.56 | 10998 | 1798.691 | 10072 | 1929.787 | 9699 |
| 924.2021 | 12201 | 1081.366 | 21404 | 1233.865 | 14207 | 1381.825 | 16047 | 1525.372 | 11963 | 1664.632 | 10910 | 1799.731 | 10126 | 1930.795 | 9670 |
| 925.4483 | 12240 | 1082.575 | 20595 | 1235.038 | 14357 | 1382.963 | 16210 | 1526.476 | 11998 | 1665.703 | 10977 | 1800.77 | 10076 | 1931.804 | 9584 |
| 926.6943 | 12231 | 1083.784 | 19397 | 1236.211 | 14490 | 1384.101 | 16392 | 1527.58 | 11978 | 1666.775 | 11046 | 1801.81 | 10089 | 1932.812 | 9663 |
| 927.94 | 12337 | 1084.993 | 18185 | 1237.384 | 14603 | 1385.239 | 16565 | 1528.684 | 12120 | 1667.845 | 11013 | 1802.849 | 10179 | 1933.82 | 9649 |
| 929.1853 | 12239 | 1086.202 | 17030 | 1238.557 | 14686 | 1386.377 | 16783 | 1529.788 | 12149 | 1668.916 | 11040 | 1803.887 | 10073 | 1934.827 | 9626 |
| 930.4304 | 12160 | 1087.41 | 16076 | 1239.729 | 14631 | 1387.514 | 16866 | 1530.891 | 12100 | 1669.987 | 11065 | 1804.926 | 10097 | 1935.835 | 9670 |
| 931.6752 | 12183 | 1088.618 | 15090 | 1240.901 | 14750 | 1388.651 | 16936 | 1531.994 | 12032 | 1671.057 | 11043 | 1805.964 | 10061 | 1936.842 | 9653 |
| 932.9197 | 12194 | 1089.825 | 14539 | 1242.073 | 14654 | 1389.788 | 16983 | 1533.097 | 12013 | 1672.127 | 11106 | 1807.002 | 10124 | 1937.849 | 9579 |
| 934.1639 | 12223 | 1091.033 | 13998 | 1243.244 | 14499 | 1390.925 | 17133 | 1534.2 | 11860 | 1673.196 | 11116 | 1808.039 | 10092 | 1938.856 | 9693 |
| 935.4078 | 12289 | 1092.24 | 13646 | 1244.415 | 14308 | 1392.061 | 17070 | 1535.302 | 11850 | 1674.266 | 11117 | 1809.077 | 10034 | 1939.862 | 9595 |
| 936.6514 | 12158 | 1093.446 | 13345 | 1245.586 | 14289 | 1393.197 | 16862 | 1536.404 | 11821 | 1675.335 | 11177 | 1810.114 | 10101 | 1940.868 | 9569 |
| 937.8947 | 12222 | 1094.653 | 13168 | 1246.757 | 14030 | 1394.332 | 16679 | 1537.506 | 11850 | 1676.404 | 11113 | 1811.151 | 10044 | 1941.874 | 9650 |
| 939.1378 | 12150 | 1095.859 | 13001 | 1247.927 | 13937 | 1395.468 | 16382 | 1538.608 | 11779 | 1677.472 | 11334 | 1812.188 | 10214 | 1942.88 | 9603 |
| 940.3805 | 12133 | 1097.065 | 12875 | 1249.097 | 13701 | 1396.603 | 16045 | 1539.709 | 11714 | 1678.541 | 11230 | 1813.224 | 10109 | 1943.886 | 9598 |
| 941.623 | 12211 | 1098.27 | 12761 | 1250.267 | 13473 | 1397.738 | 15723 | 1540.81 | 11755 | 1679.609 | 11316 | 1814.26 | 10104 | 1944.891 | 9588 |
| 942.8651 | 12217 | 1099.476 | 12883 | 1251.436 | 13414 | 1398.873 | 15223 | 1541.911 | 11853 | 1680.677 | 11437 | 1815.296 | 10091 | 1945.896 | 9655 |
| 944.107 | 12180 | 1100.681 | 12866 | 1252.606 | 13163 | 1400.007 | 14905 | 1543.011 | 11830 | 1681.744 | 11368 | 1816.332 | 10073 | 1946.901 | 9591 |

Applied potential: –0.25 V-2



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 26392 | 945.3486 | 26826 | 1101.886 | 28061 | 1253.774 | 28253 | 1401.141 | 28967 | 1544.112 | 25813 | 1682.812 | 23044 | 1817.368 | 19900 |
| 785.3164 | 26762 | 946.5899 | 26977 | 1103.09 | 28037 | 1254.943 | 28159 | 1402.275 | 28717 | 1545.211 | 25764 | 1683.879 | 23306 | 1818.403 | 19739 |
| 786.5952 | 26727 | 947.8308 | 26929 | 1104.294 | 27829 | 1256.112 | 28136 | 1403.408 | 28268 | 1546.311 | 25897 | 1684.946 | 23201 | 1819.438 | 19964 |
| 787.8737 | 26659 | 949.0715 | 26938 | 1105.498 | 27906 | 1257.28 | 28155 | 1404.542 | 28097 | 1547.411 | 26135 | 1686.012 | 23184 | 1820.473 | 19839 |
| 789.1519 | 26676 | 950.312 | 27078 | 1106.702 | 27785 | 1258.447 | 27885 | 1405.675 | 27589 | 1548.51 | 26067 | 1687.079 | 23509 | 1821.507 | 19942 |
| 790.4297 | 26809 | 951.5521 | 27045 | 1107.905 | 27730 | 1259.615 | 27998 | 1406.808 | 27345 | 1549.609 | 26232 | 1688.145 | 23354 | 1822.541 | 19745 |
| 791.7073 | 26891 | 952.7919 | 26914 | 1109.108 | 27552 | 1260.782 | 28042 | 1407.94 | 26935 | 1550.707 | 26431 | 1689.211 | 23663 | 1823.575 | 19857 |
| 792.9846 | 26606 | 954.0314 | 27000 | 1110.311 | 27383 | 1261.949 | 27786 | 1409.072 | 27101 | 1551.806 | 26368 | 1690.276 | 23652 | 1824.609 | 19813 |
| 794.2616 | 26953 | 955.2707 | 26942 | 1111.514 | 27293 | 1263.116 | 27793 | 1410.204 | 26967 | 1552.904 | 26578 | 1691.342 | 23707 | 1825.643 | 19740 |
| 795.5383 | 26617 | 956.5096 | 27057 | 1112.716 | 27505 | 1264.283 | 27755 | 1411.336 | 26850 | 1554.002 | 26622 | 1692.407 | 23738 | 1826.676 | 19718 |
| 796.8146 | 26697 | 957.7483 | 27138 | 1113.918 | 27587 | 1265.449 | 27979 | 1412.467 | 26427 | 1555.1 | 26612 | 1693.471 | 23782 | 1827.709 | 19768 |
| 798.0907 | 26752 | 958.9867 | 27119 | 1115.119 | 27616 | 1266.615 | 28172 | 1413.598 | 26642 | 1556.197 | 26619 | 1694.536 | 23952 | 1828.742 | 19548 |
| 799.3665 | 26770 | 960.2248 | 27033 | 1116.321 | 27947 | 1267.78 | 28392 | 1414.729 | 26367 | 1557.294 | 26902 | 1695.6 | 24156 | 1829.774 | 19577 |
| 800.642 | 26820 | 961.4626 | 27161 | 1117.522 | 27927 | 1268.946 | 28387 | 1415.86 | 26418 | 1558.391 | 27019 | 1696.664 | 24248 | 1830.807 | 19586 |
| 801.9172 | 26835 | 962.7001 | 26991 | 1118.723 | 28161 | 1270.111 | 28469 | 1416.99 | 26245 | 1559.488 | 27094 | 1697.728 | 24466 | 1831.839 | 19714 |
| 803.1921 | 26927 | 963.9373 | 27091 | 1119.923 | 27787 | 1271.275 | 28657 | 1418.12 | 26215 | 1560.584 | 27363 | 1698.792 | 24449 | 1832.87 | 19648 |
| 804.4667 | 26814 | 965.1742 | 26949 | 1121.123 | 27661 | 1272.44 | 28774 | 1419.25 | 26173 | 1561.68 | 27421 | 1699.855 | 24638 | 1833.902 | 19446 |
| 805.741 | 26776 | 966.4108 | 27066 | 1122.323 | 27772 | 1273.604 | 29366 | 1420.38 | 26146 | 1562.776 | 27552 | 1700.918 | 24904 | 1834.933 | 19616 |
| 807.015 | 26796 | 967.6472 | 27072 | 1123.523 | 27699 | 1274.768 | 29625 | 1421.509 | 26218 | 1563.871 | 27680 | 1701.981 | 25070 | 1835.964 | 19504 |
| 808.2887 | 26823 | 968.8832 | 26945 | 1124.722 | 27528 | 1275.932 | 29830 | 1422.638 | 26126 | 1564.967 | 28177 | 1703.044 | 25118 | 1836.995 | 19535 |
| 809.5621 | 26934 | 970.119 | 27128 | 1125.921 | 27606 | 1277.095 | 30139 | 1423.767 | 26104 | 1566.062 | 28322 | 1704.106 | 25246 | 1838.026 | 19521 |
| 810.8352 | 26770 | 971.3544 | 27179 | 1127.12 | 27738 | 1278.259 | 30254 | 1424.895 | 25968 | 1567.156 | 28770 | 1705.168 | 25241 | 1839.056 | 19424 |
| 812.108 | 26756 | 972.5896 | 27308 | 1128.319 | 27614 | 1279.421 | 30194 | 1426.023 | 26233 | 1568.251 | 29099 | 1706.23 | 25333 | 1840.086 | 19365 |
| 813.3805 | 26906 | 973.8245 | 27304 | 1129.517 | 27812 | 1280.584 | 30512 | 1427.151 | 26364 | 1569.345 | 29624 | 1707.291 | 25175 | 1841.116 | 19369 |
| 814.6527 | 26995 | 975.0591 | 27114 | 1130.715 | 27687 | 1281.746 | 30645 | 1428.279 | 26172 | 1570.439 | 30242 | 1708.353 | 25217 | 1842.146 | 19239 |
| 815.9246 | 26959 | 976.2934 | 27283 | 1131.913 | 27558 | 1282.908 | 30534 | 1429.407 | 26367 | 1571.533 | 30866 | 1709.414 | 24905 | 1843.175 | 19360 |
| 817.1962 | 26851 | 977.5274 | 27378 | 1133.11 | 27388 | 1284.07 | 30609 | 1430.534 | 26433 | 1572.626 | 31454 | 1710.475 | 24753 | 1844.204 | 19335 |
| 818.4675 | 26928 | 978.7612 | 27202 | 1134.307 | 27243 | 1285.232 | 30706 | 1431.661 | 26268 | 1573.72 | 32412 | 1711.535 | 24528 | 1845.233 | 19276 |
| 819.7385 | 26922 | 979.9946 | 27484 | 1135.504 | 27105 | 1286.393 | 30963 | 1432.787 | 26314 | 1574.813 | 33424 | 1712.596 | 24120 | 1846.262 | 19295 |
| 821.0093 | 26836 | 981.2278 | 27309 | 1136.701 | 26734 | 1287.554 | 31008 | 1433.913 | 26129 | 1575.905 | 34555 | 1713.656 | 23833 | 1847.29 | 19397 |
| 822.2797 | 26773 | 982.4606 | 27394 | 1137.897 | 26678 | 1288.715 | 31268 | 1435.04 | 26366 | 1576.998 | 35902 | 1714.715 | 23628 | 1848.318 | 19462 |
| 823.5498 | 27110 | 983.6932 | 27466 | 1139.093 | 26541 | 1289.875 | 31466 | 1436.165 | 26253 | 1578.09 | 38537 | 1715.775 | 23192 | 1849.346 | 19537 |
| 824.8196 | 27108 | 984.9255 | 27532 | 1140.289 | 26594 | 1291.035 | 31591 | 1437.291 | 26245 | 1579.182 | 40607 | 1716.834 | 22899 | 1850.374 | 19418 |
| 826.0892 | 26953 | 986.1575 | 27574 | 1141.484 | 26520 | 1292.195 | 31541 | 1438.416 | 26298 | 1580.274 | 43322 | 1717.893 | 22735 | 1851.401 | 19532 |
| 827.3584 | 27261 | 987.3892 | 27807 | 1142.679 | 26650 | 1293.355 | 31457 | 1439.541 | 26575 | 1581.365 | 46342 | 1718.952 | 22491 | 1852.428 | 19439 |
| 828.6273 | 27300 | 988.6206 | 27682 | 1143.874 | 26471 | 1294.514 | 31417 | 1440.666 | 26702 | 1582.456 | 48702 | 1720.011 | 22244 | 1853.455 | 19408 |
| 829.896 | 26960 | 989.8517 | 27991 | 1145.069 | 26604 | 1295.673 | 31242 | 1441.79 | 26899 | 1583.547 | 50452 | 1721.069 | 22136 | 1854.482 | 19478 |
| 831.1643 | 27345 | 991.0825 | 27907 | 1146.263 | 26505 | 1296.832 | 30969 | 1442.915 | 26897 | 1584.638 | 50949 | 1722.127 | 22054 | 1855.508 | 19387 |
| 832.4324 | 27314 | 992.3131 | 28144 | 1147.457 | 26463 | 1297.99 | 30895 | 1444.039 | 26815 | 1585.728 | 50553 | 1723.185 | 21868 | 1856.535 | 19430 |
| 833.7001 | 27376 | 993.5433 | 28387 | 1148.651 | 26229 | 1299.148 | 30949 | 1445.162 | 27013 | 1586.818 | 48341 | 1724.242 | 21741 | 1857.561 | 19444 |
| 834.9676 | 27440 | 994.7733 | 28549 | 1149.844 | 26756 | 1300.306 | 30885 | 1446.286 | 27196 | 1587.908 | 45031 | 1725.3 | 21605 | 1858.586 | 19349 |
| 836.2347 | 27370 | 996.003 | 29463 | 1151.037 | 26655 | 1301.464 | 31298 | 1447.409 | 27246 | 1588.998 | 41310 | 1726.357 | 21591 | 1859.612 | 19348 |
| 837.5016 | 27550 | 997.2324 | 29987 | 1152.23 | 26762 | 1302.621 | 30966 | 1448.532 | 27341 | 1590.087 | 37830 | 1727.414 | 21408 | 1860.637 | 19240 |
| 838.7682 | 27502 | 998.4615 | 30254 | 1153.423 | 27060 | 1303.779 | 31179 | 1449.654 | 27245 | 1591.176 | 34681 | 1728.47 | 21306 | 1861.662 | 19360 |
| 840.0344 | 27740 | 999.6903 | 30376 | 1154.615 | 27030 | 1304.935 | 31243 | 1450.777 | 27242 | 1592.265 | 32113 | 1729.526 | 21364 | 1862.687 | 19157 |
| 841.3004 | 27873 | 1000.919 | 30355 | 1155.807 | 27273 | 1306.092 | 30909 | 1451.899 | 27288 | 1593.354 | 30602 | 1730.582 | 21299 | 1863.711 | 19132 |
| 842.5661 | 27871 | 1002.147 | 29970 | 1156.999 | 27647 | 1307.248 | 31242 | 1453.021 | 27160 | 1594.442 | 29682 | 1731.638 | 21253 | 1864.736 | 19011 |
| 843.8315 | 28094 | 1003.375 | 29838 | 1158.191 | 27555 | 1308.404 | 30991 | 1454.142 | 27103 | 1595.53 | 28598 | 1732.694 | 21251 | 1865.76 | 19103 |
| 845.0965 | 28233 | 1004.603 | 29709 | 1159.382 | 27451 | 1309.56 | 30721 | 1455.263 | 26958 | 1596.618 | 28063 | 1733.749 | 21200 | 1866.783 | 18854 |
| 846.3613 | 28327 | 1005.83 | 29484 | 1160.573 | 28021 | 1310.716 | 30714 | 1456.384 | 26756 | 1597.705 | 27456 | 1734.804 | 21166 | 1867.807 | 19008 |
| 847.6258 | 28868 | 1007.057 | 29435 | 1161.763 | 27901 | 1311.871 | 30637 | 1457.505 | 26600 | 1598.793 | 26991 | 1735.859 | 21130 | 1868.83 | 18909 |
| 848.89 | 29082 | 1008.284 | 29055 | 1162.954 | 27983 | 1313.026 | 30333 | 1458.626 | 26583 | 1599.88 | 26791 | 1736.913 | 21109 | 1869.853 | 18826 |
| 850.1539 | 29229 | 1009.51 | 29352 | 1164.144 | 27792 | 1314.18 | 30263 | 1459.746 | 26392 | 1600.966 | 26548 | 1737.968 | 20929 | 1870.876 | 19147 |
| 851.4175 | 29407 | 1010.737 | 29193 | 1165.334 | 27947 | 1315.335 | 30073 | 1460.866 | 26210 | 1602.053 | 26459 | 1739.022 | 20904 | 1871.899 | 19121 |
| 852.6808 | 29196 | 1011.963 | 28971 | 1166.523 | 27963 | 1316.489 | 29793 | 1461.986 | 26255 | 1603.139 | 26158 | 1740.076 | 20767 | 1872.921 | 19019 |
| 853.9438 | 29307 | 1013.188 | 29021 | 1167.713 | 28014 | 1317.643 | 29679 | 1463.105 | 26299 | 1604.225 | 25934 | 1741.129 | 20655 | 1873.943 | 19245 |
| 855.2065 | 29020 | 1014.414 | 28825 | 1168.902 | 28043 | 1318.796 | 29526 | 1464.224 | 26149 | 1605.311 | 25843 | 1742.182 | 20652 | 1874.965 | 19126 |
| 856.469 | 29021 | 1015.639 | 28575 | 1170.09 | 28231 | 1319.95 | 29251 | 1465.343 | 26242 | 1606.396 | 25754 | 1743.235 | 20697 | 1875.986 | 19015 |
| 857.7311 | 28582 | 1016.863 | 28604 | 1171.279 | 28145 | 1321.103 | 29047 | 1466.462 | 26372 | 1607.482 | 25350 | 1744.288 | 20684 | 1877.008 | 19242 |
| 858.9929 | 28485 | 1018.088 | 28640 | 1172.467 | 28345 | 1322.255 | 29300 | 1467.58 | 26204 | 1608.567 | 25417 | 1745.341 | 20740 | 1878.029 | 19135 |
| 860.2544 | 28593 | 1019.312 | 28592 | 1173.655 | 28357 | 1323.408 | 29093 | 1468.698 | 26175 | 1609.651 | 25433 | 1746.393 | 20672 | 1879.05 | 19119 |
| 861.5157 | 28578 | 1020.536 | 28775 | 1174.842 | 28380 | 1324.56 | 29109 | 1469.816 | 26164 | 1610.736 | 25302 | 1747.445 | 20646 | 1880.07 | 19009 |
| 862.7766 | 28370 | 1021.76 | 29096 | 1176.029 | 28459 | 1325.712 | 28884 | 1470.934 | 25943 | 1611.82 | 25196 | 1748.497 | 20596 | 1881.091 | 19028 |
| 864.0373 | 28194 | 1022.983 | 28851 | 1177.216 | 28269 | 1326.864 | 28819 | 1472.051 | 26163 | 1612.904 | 25167 | 1749.548 | 20497 | 1882.111 | 18874 |
| 865.2976 | 28190 | 1024.206 | 28928 | 1178.403 | 28513 | 1328.015 | 28838 | 1473.168 | 26153 | 1613.987 | 25111 | 1750.6 | 20539 | 1883.131 | 18885 |
| 866.5577 | 28118 | 1025.429 | 28929 | 1179.59 | 28528 | 1329.166 | 28831 | 1474.285 | 26407 | 1615.071 | 24956 | 1751.651 | 20665 | 1884.151 | 18882 |
| 867.8174 | 27916 | 1026.651 | 28871 | 1180.776 | 28097 | 1330.317 | 28819 | 1475.401 | 26237 | 1616.154 | 24912 | 1752.702 | 20488 | 1885.17 | 18776 |
| 869.0769 | 27704 | 1027.873 | 28904 | 1181.962 | 27897 | 1331.468 | 28812 | 1476.518 | 26230 | 1617.237 | 25077 | 1753.752 | 20673 | 1886.189 | 18983 |
| 870.3361 | 27341 | 1029.095 | 28921 | 1183.147 | 27739 | 1332.618 | 28919 | 1477.633 | 26189 | 1618.32 | 24829 | 1754.803 | 20539 | 1887.208 | 19087 |
| 871.5949 | 27592 | 1030.317 | 28870 | 1184.333 | 27598 | 1333.768 | 28995 | 1478.749 | 26242 | 1619.402 | 24840 | 1755.853 | 20637 | 1888.227 | 18915 |
| 872.8535 | 27299 | 1031.538 | 28975 | 1185.518 | 27468 | 1334.918 | 29013 | 1479.865 | 26289 | 1620.484 | 24866 | 1756.902 | 20364 | 1889.245 | 19066 |
| 874.1118 | 27306 | 1032.759 | 29003 | 1186.702 | 27215 | 1336.067 | 28972 | 1480.98 | 26073 | 1621.566 | 24690 | 1757.952 | 20288 | 1890.263 | 19080 |
| 875.3698 | 27228 | 1033.98 | 28920 | 1187.887 | 26934 | 1337.217 | 29354 | 1482.095 | 26172 | 1622.648 | 24628 | 1759.001 | 20348 | 1891.281 | 19218 |
| 876.6275 | 27213 | 1035.201 | 28693 | 1189.071 | 26867 | 1338.366 | 29293 | 1483.209 | 26094 | 1623.729 | 24513 | 1760.05 | 20372 | 1892.299 | 19049 |
| 877.8849 | 27185 | 1036.421 | 28427 | 1190.255 | 26744 | 1339.514 | 29497 | 1484.324 | 25729 | 1624.81 | 24482 | 1761.099 | 20465 | 1893.317 | 19045 |
| 879.142 | 27329 | 1037.641 | 28387 | 1191.439 | 26566 | 1340.663 | 29049 | 1485.438 | 25700 | 1625.891 | 24348 | 1762.148 | 20398 | 1894.334 | 18971 |
| 880.3988 | 27252 | 1038.86 | 28188 | 1192.622 | 26768 | 1341.811 | 29393 | 1486.552 | 25545 | 1626.972 | 24279 | 1763.196 | 20521 | 1895.351 | 18985 |
| 881.6553 | 27173 | 1040.08 | 28348 | 1193.805 | 26881 | 1342.959 | 29231 | 1487.666 | 25497 | 1628.052 | 23920 | 1764.244 | 20629 | 1896.368 | 18853 |
| 882.9115 | 27212 | 1041.299 | 28192 | 1194.988 | 26891 | 1344.106 | 29134 | 1488.779 | 25506 | 1629.132 | 23774 | 1765.292 | 20504 | 1897.384 | 18736 |
| 884.1675 | 27102 | 1042.517 | 28306 | 1196.171 | 26891 | 1345.254 | 28878 | 1489.892 | 25554 | 1630.212 | 23825 | 1766.339 | 20542 | 1898.4 | 18624 |
| 885.4231 | 27073 | 1043.736 | 28401 | 1197.353 | 26859 | 1346.401 | 28914 | 1491.005 | 25647 | 1631.292 | 23536 | 1767.387 | 20536 | 1899.417 | 18741 |
| 886.6785 | 27042 | 1044.954 | 28211 | 1198.535 | 26881 | 1347.547 | 28527 | 1492.117 | 25625 | 1632.371 | 23396 | 1768.434 | 20458 | 1900.432 | 18715 |
| 887.9335 | 27145 | 1046.172 | 28555 | 1199.717 | 26763 | 1348.694 | 28195 | 1493.23 | 25469 | 1633.45 | 23511 | 1769.481 | 20408 | 1901.448 | 18808 |
| 889.1882 | 26956 | 1047.389 | 28749 | 1200.898 | 26943 | 1349.84 | 28359 | 1494.342 | 25515 | 1634.529 | 23174 | 1770.527 | 20483 | 1902.463 | 18870 |
| 890.4427 | 27025 | 1048.607 | 28795 | 1202.079 | 26764 | 1350.986 | 28254 | 1495.453 | 25753 | 1635.607 | 23270 | 1771.574 | 20592 | 1903.478 | 18862 |
| 891.6969 | 27130 | 1049.824 | 28923 | 1203.26 | 26693 | 1352.132 | 28304 | 1496.565 | 25650 | 1636.686 | 23208 | 1772.62 | 20668 | 1904.493 | 18984 |
| 892.9507 | 27133 | 1051.04 | 29179 | 1204.441 | 26790 | 1353.277 | 28281 | 1497.676 | 25677 | 1637.764 | 22964 | 1773.666 | 20565 | 1905.508 | 18765 |
| 894.2043 | 27138 | 1052.257 | 29235 | 1205.621 | 26803 | 1354.422 | 28292 | 1498.787 | 25642 | 1638.841 | 23181 | 1774.711 | 20546 | 1906.522 | 18823 |
| 895.4576 | 27038 | 1053.473 | 29440 | 1206.801 | 26898 | 1355.567 | 28279 | 1499.898 | 25651 | 1639.919 | 22921 | 1775.756 | 20616 | 1907.536 | 18879 |
| 896.7106 | 27087 | 1054.689 | 29753 | 1207.981 | 26932 | 1356.712 | 28502 | 1501.008 | 25742 | 1640.996 | 22832 | 1776.802 | 20561 | 1908.55 | 18744 |
| 897.9633 | 26995 | 1055.905 | 30076 | 1209.16 | 27079 | 1357.856 | 28595 | 1502.119 | 25654 | 1642.073 | 22926 | 1777.846 | 20529 | 1909.564 | 18713 |
| 899.2157 | 27072 | 1057.12 | 30719 | 1210.339 | 27081 | 1359 | 28559 | 1503.228 | 25543 | 1643.15 | 22894 | 1778.891 | 20575 | 1910.577 | 18669 |
| 900.4678 | 27090 | 1058.335 | 30872 | 1211.518 | 26963 | 1360.144 | 28637 | 1504.338 | 25448 | 1644.227 | 22754 | 1779.935 | 20546 | 1911.59 | 18702 |
| 901.7196 | 27032 | 1059.55 | 31396 | 1212.697 | 27205 | 1361.288 | 28788 | 1505.448 | 25584 | 1645.303 | 22652 | 1780.979 | 20421 | 1912.603 | 18835 |
| 902.9711 | 26909 | 1060.764 | 32068 | 1213.875 | 27084 | 1362.431 | 29026 | 1506.557 | 25401 | 1646.379 | 22715 | 1782.023 | 20398 | 1913.616 | 18746 |
| 904.2223 | 26876 | 1061.978 | 32763 | 1215.053 | 27395 | 1363.574 | 29355 | 1507.666 | 25487 | 1647.455 | 22641 | 1783.067 | 20486 | 1914.628 | 18502 |
| 905.4733 | 26795 | 1063.192 | 33428 | 1216.231 | 27559 | 1364.717 | 29547 | 1508.774 | 25440 | 1648.53 | 22772 | 1784.11 | 20252 | 1915.641 | 18688 |
| 906.7239 | 26915 | 1064.406 | 33899 | 1217.409 | 27489 | 1365.859 | 29776 | 1509.883 | 25451 | 1649.605 | 22632 | 1785.153 | 20211 | 1916.653 | 18551 |
| 907.9743 | 26949 | 1065.619 | 34698 | 1218.586 | 27537 | 1367.001 | 29967 | 1510.991 | 25781 | 1650.68 | 22493 | 1786.196 | 20412 | 1917.664 | 18551 |
| 909.2243 | 27000 | 1066.832 | 35489 | 1219.763 | 27635 | 1368.143 | 30170 | 1512.098 | 25678 | 1651.755 | 22673 | 1787.239 | 20297 | 1918.676 | 18471 |
| 910.4741 | 26975 | 1068.045 | 36411 | 1220.94 | 27791 | 1369.285 | 30270 | 1513.206 | 25639 | 1652.83 | 22438 | 1788.281 | 20268 | 1919.687 | 18493 |
| 911.7235 | 26870 | 1069.257 | 36964 | 1222.116 | 28100 | 1370.426 | 30615 | 1514.313 | 25663 | 1653.904 | 22662 | 1789.323 | 20056 | 1920.698 | 18436 |
| 912.9727 | 26669 | 1070.469 | 38069 | 1223.292 | 27975 | 1371.567 | 30744 | 1515.42 | 25702 | 1654.978 | 22346 | 1790.365 | 20126 | 1921.709 | 18466 |
| 914.2216 | 26925 | 1071.681 | 39374 | 1224.468 | 27854 | 1372.708 | 31021 | 1516.527 | 25903 | 1656.051 | 22587 | 1791.407 | 19877 | 1922.719 | 18495 |
| 915.4702 | 27027 | 1072.893 | 40454 | 1225.644 | 28124 | 1373.849 | 31201 | 1517.634 | 25955 | 1657.125 | 22724 | 1792.448 | 19927 | 1923.73 | 18518 |
| 916.7185 | 26924 | 1074.104 | 41636 | 1226.819 | 28332 | 1374.989 | 31133 | 1518.74 | 26060 | 1658.198 | 22758 | 1793.489 | 19878 | 1924.74 | 18641 |
| 917.9665 | 27030 | 1075.315 | 42890 | 1227.994 | 28286 | 1376.129 | 31294 | 1519.846 | 26276 | 1659.271 | 22472 | 1794.53 | 19994 | 1925.75 | 18529 |
| 919.2142 | 26836 | 1076.526 | 43828 | 1229.169 | 28628 | 1377.269 | 31547 | 1520.952 | 26276 | 1660.344 | 22614 | 1795.571 | 19952 | 1926.759 | 18602 |
| 920.4616 | 27116 | 1077.736 | 44498 | 1230.343 | 28707 | 1378.408 | 31565 | 1522.057 | 26532 | 1661.416 | 22728 | 1796.611 | 19907 | 1927.769 | 18523 |
| 921.7087 | 26997 | 1078.946 | 44345 | 1231.517 | 28959 | 1379.547 | 31592 | 1523.162 | 26653 | 1662.488 | 22678 | 1797.651 | 19983 | 1928.778 | 18612 |
| 922.9556 | 26949 | 1080.156 | 43783 | 1232.691 | 29263 | 1380.686 | 31569 | 1524.267 | 26784 | 1663.56 | 22450 | 1798.691 | 19969 | 1929.787 | 18639 |
| 924.2021 | 26898 | 1081.366 | 42689 | 1233.865 | 29322 | 1381.825 | 31657 | 1525.372 | 27326 | 1664.632 | 22688 | 1799.731 | 19991 | 1930.795 | 18542 |
| 925.4483 | 26981 | 1082.575 | 40969 | 1235.038 | 29482 | 1382.963 | 31631 | 1526.476 | 27324 | 1665.703 | 22602 | 1800.77 | 19904 | 1931.804 | 18624 |
| 926.6943 | 26758 | 1083.784 | 39131 | 1236.211 | 29725 | 1384.101 | 31702 | 1527.58 | 27520 | 1666.775 | 22611 | 1801.81 | 19930 | 1932.812 | 18665 |
| 927.94 | 26796 | 1084.993 | 37038 | 1237.384 | 29762 | 1385.239 | 31470 | 1528.684 | 27640 | 1667.845 | 22495 | 1802.849 | 19911 | 1933.82 | 18381 |
| 929.1853 | 26922 | 1086.202 | 35073 | 1238.557 | 30025 | 1386.377 | 31751 | 1529.788 | 27518 | 1668.916 | 22461 | 1803.887 | 19891 | 1934.827 | 18578 |
| 930.4304 | 27065 | 1087.41 | 33385 | 1239.729 | 30213 | 1387.514 | 31570 | 1530.891 | 27246 | 1669.987 | 22617 | 1804.926 | 19968 | 1935.835 | 18585 |
| 931.6752 | 26967 | 1088.618 | 32042 | 1240.901 | 30172 | 1388.651 | 31706 | 1531.994 | 27054 | 1671.057 | 22435 | 1805.964 | 19924 | 1936.842 | 18648 |
| 932.9197 | 26886 | 1089.825 | 30867 | 1242.073 | 30244 | 1389.788 | 31700 | 1533.097 | 26723 | 1672.127 | 22592 | 1807.002 | 20064 | 1937.849 | 18565 |
| 934.1639 | 27070 | 1091.033 | 30053 | 1243.244 | 30321 | 1390.925 | 31758 | 1534.2 | 26383 | 1673.196 | 22588 | 1808.039 | 20083 | 1938.856 | 18542 |
| 935.4078 | 27100 | 1092.24 | 29350 | 1244.415 | 30063 | 1392.061 | 31559 | 1535.302 | 26230 | 1674.266 | 22445 | 1809.077 | 19937 | 1939.862 | 18439 |
| 936.6514 | 26952 | 1093.446 | 29001 | 1245.586 | 29830 | 1393.197 | 31511 | 1536.404 | 26166 | 1675.335 | 22710 | 1810.114 | 20005 | 1940.868 | 18435 |
| 937.8947 | 26946 | 1094.653 | 28713 | 1246.757 | 29661 | 1394.332 | 31381 | 1537.506 | 25825 | 1676.404 | 22761 | 1811.151 | 19953 | 1941.874 | 18426 |
| 939.1378 | 26984 | 1095.859 | 28404 | 1247.927 | 29537 | 1395.468 | 31145 | 1538.608 | 25880 | 1677.472 | 22517 | 1812.188 | 20027 | 1942.88 | 18466 |
| 940.3805 | 26881 | 1097.065 | 28067 | 1249.097 | 29193 | 1396.603 | 30751 | 1539.709 | 26039 | 1678.541 | 22693 | 1813.224 | 19940 | 1943.886 | 18397 |
| 941.623 | 26886 | 1098.27 | 28095 | 1250.267 | 28946 | 1397.738 | 30513 | 1540.81 | 25762 | 1679.609 | 22785 | 1814.26 | 19804 | 1944.891 | 18415 |
| 942.8651 | 26838 | 1099.476 | 27983 | 1251.436 | 28789 | 1398.873 | 29914 | 1541.911 | 25760 | 1680.677 | 23022 | 1815.296 | 19776 | 1945.896 | 18327 |
| 944.107 | 26868 | 1100.681 | 27962 | 1252.606 | 28632 | 1400.007 | 29522 | 1543.011 | 25797 | 1681.744 | 22906 | 1816.332 | 19959 | 1946.901 | 18354 |

Applied potential: –0.25 V-3



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 24949 | 945.3486 | 24813 | 1101.886 | 25216 | 1253.774 | 24918 | 1401.141 | 24200 | 1544.112 | 21893 | 1682.812 | 20337 | 1817.368 | 18040 |
| 785.3164 | 25343 | 946.5899 | 24951 | 1103.09 | 25029 | 1254.943 | 24794 | 1402.275 | 24137 | 1545.211 | 21773 | 1683.879 | 20336 | 1818.403 | 18170 |
| 786.5952 | 25196 | 947.8308 | 25093 | 1104.294 | 24958 | 1256.112 | 24705 | 1403.408 | 23979 | 1546.311 | 21965 | 1684.946 | 20262 | 1819.438 | 18292 |
| 787.8737 | 25201 | 949.0715 | 24877 | 1105.498 | 24980 | 1257.28 | 24767 | 1404.542 | 23996 | 1547.411 | 21972 | 1686.012 | 20500 | 1820.473 | 18137 |
| 789.1519 | 25153 | 950.312 | 25020 | 1106.702 | 24871 | 1258.447 | 24785 | 1405.675 | 23988 | 1548.51 | 22066 | 1687.079 | 20587 | 1821.507 | 18081 |
| 790.4297 | 25045 | 951.5521 | 24962 | 1107.905 | 24650 | 1259.615 | 24651 | 1406.808 | 23705 | 1549.609 | 22079 | 1688.145 | 20652 | 1822.541 | 18118 |
| 791.7073 | 25314 | 952.7919 | 24872 | 1109.108 | 24923 | 1260.782 | 24681 | 1407.94 | 23737 | 1550.707 | 22317 | 1689.211 | 20660 | 1823.575 | 17893 |
| 792.9846 | 25231 | 954.0314 | 25025 | 1110.311 | 24834 | 1261.949 | 24614 | 1409.072 | 23672 | 1551.806 | 22414 | 1690.276 | 20587 | 1824.609 | 17891 |
| 794.2616 | 25188 | 955.2707 | 25054 | 1111.514 | 24797 | 1263.116 | 24578 | 1410.204 | 23748 | 1552.904 | 22268 | 1691.342 | 20581 | 1825.643 | 17953 |
| 795.5383 | 25261 | 956.5096 | 24967 | 1112.716 | 24672 | 1264.283 | 24550 | 1411.336 | 23764 | 1554.002 | 22388 | 1692.407 | 20748 | 1826.676 | 17951 |
| 796.8146 | 25278 | 957.7483 | 25013 | 1113.918 | 24805 | 1265.449 | 24577 | 1412.467 | 23549 | 1555.1 | 22488 | 1693.471 | 20669 | 1827.709 | 17908 |
| 798.0907 | 25175 | 958.9867 | 24998 | 1115.119 | 24861 | 1266.615 | 24808 | 1413.598 | 23664 | 1556.197 | 22566 | 1694.536 | 20798 | 1828.742 | 17869 |
| 799.3665 | 25225 | 960.2248 | 24977 | 1116.321 | 24952 | 1267.78 | 24649 | 1414.729 | 23533 | 1557.294 | 22603 | 1695.6 | 20721 | 1829.774 | 17929 |
| 800.642 | 25285 | 961.4626 | 25078 | 1117.522 | 24805 | 1268.946 | 24713 | 1415.86 | 23494 | 1558.391 | 22698 | 1696.664 | 20762 | 1830.807 | 18025 |
| 801.9172 | 25256 | 962.7001 | 24726 | 1118.723 | 24759 | 1270.111 | 24740 | 1416.99 | 23467 | 1559.488 | 22830 | 1697.728 | 20630 | 1831.839 | 17884 |
| 803.1921 | 25228 | 963.9373 | 25031 | 1119.923 | 24652 | 1271.275 | 24765 | 1418.12 | 23355 | 1560.584 | 22616 | 1698.792 | 20898 | 1832.87 | 17906 |
| 804.4667 | 25290 | 965.1742 | 25130 | 1121.123 | 24862 | 1272.44 | 24992 | 1419.25 | 23369 | 1561.68 | 22913 | 1699.855 | 20910 | 1833.902 | 17852 |
| 805.741 | 25326 | 966.4108 | 25135 | 1122.323 | 24614 | 1273.604 | 25027 | 1420.38 | 23386 | 1562.776 | 23163 | 1700.918 | 20670 | 1834.933 | 17777 |
| 807.015 | 25251 | 967.6472 | 25040 | 1123.523 | 24804 | 1274.768 | 25036 | 1421.509 | 23320 | 1563.871 | 23224 | 1701.981 | 20584 | 1835.964 | 17764 |
| 808.2887 | 25088 | 968.8832 | 25145 | 1124.722 | 24791 | 1275.932 | 25231 | 1422.638 | 23117 | 1564.967 | 23140 | 1703.044 | 20682 | 1836.995 | 17700 |
| 809.5621 | 25283 | 970.119 | 25181 | 1125.921 | 24770 | 1277.095 | 25151 | 1423.767 | 23165 | 1566.062 | 23450 | 1704.106 | 20800 | 1838.026 | 17596 |
| 810.8352 | 25223 | 971.3544 | 25203 | 1127.12 | 24850 | 1278.259 | 25177 | 1424.895 | 22967 | 1567.156 | 23490 | 1705.168 | 20256 | 1839.056 | 17595 |
| 812.108 | 25289 | 972.5896 | 25108 | 1128.319 | 24724 | 1279.421 | 25195 | 1426.023 | 23061 | 1568.251 | 23433 | 1706.23 | 20475 | 1840.086 | 17673 |
| 813.3805 | 25088 | 973.8245 | 24997 | 1129.517 | 24684 | 1280.584 | 25335 | 1427.151 | 23158 | 1569.345 | 23313 | 1707.291 | 20329 | 1841.116 | 17577 |
| 814.6527 | 25194 | 975.0591 | 25268 | 1130.715 | 24696 | 1281.746 | 25255 | 1428.279 | 23187 | 1570.439 | 23711 | 1708.353 | 20305 | 1842.146 | 17889 |
| 815.9246 | 25076 | 976.2934 | 25065 | 1131.913 | 24724 | 1282.908 | 25272 | 1429.407 | 23053 | 1571.533 | 23803 | 1709.414 | 19993 | 1843.175 | 17575 |
| 817.1962 | 25260 | 977.5274 | 25062 | 1133.11 | 24738 | 1284.07 | 25228 | 1430.534 | 23128 | 1572.626 | 24087 | 1710.475 | 19890 | 1844.204 | 17567 |
| 818.4675 | 25176 | 978.7612 | 25266 | 1134.307 | 24414 | 1285.232 | 25380 | 1431.661 | 22828 | 1573.72 | 24294 | 1711.535 | 19942 | 1845.233 | 17687 |
| 819.7385 | 25340 | 979.9946 | 25242 | 1135.504 | 24352 | 1286.393 | 25256 | 1432.787 | 23138 | 1574.813 | 24781 | 1712.596 | 19930 | 1846.262 | 17597 |
| 821.0093 | 25188 | 981.2278 | 25239 | 1136.701 | 24272 | 1287.554 | 25495 | 1433.913 | 23014 | 1575.905 | 25688 | 1713.656 | 19666 | 1847.29 | 17746 |
| 822.2797 | 25293 | 982.4606 | 25057 | 1137.897 | 24374 | 1288.715 | 25565 | 1435.04 | 23189 | 1576.998 | 26413 | 1714.715 | 19699 | 1848.318 | 17816 |
| 823.5498 | 25475 | 983.6932 | 25142 | 1139.093 | 24313 | 1289.875 | 25531 | 1436.165 | 23046 | 1578.09 | 27371 | 1715.775 | 19626 | 1849.346 | 17675 |
| 824.8196 | 25474 | 984.9255 | 25082 | 1140.289 | 24292 | 1291.035 | 25856 | 1437.291 | 22890 | 1579.182 | 28462 | 1716.834 | 19444 | 1850.374 | 17671 |
| 826.0892 | 25442 | 986.1575 | 25332 | 1141.484 | 24376 | 1292.195 | 25745 | 1438.416 | 23074 | 1580.274 | 29486 | 1717.893 | 19566 | 1851.401 | 17916 |
| 827.3584 | 25471 | 987.3892 | 25182 | 1142.679 | 24295 | 1293.355 | 25763 | 1439.541 | 23224 | 1581.365 | 30288 | 1718.952 | 19540 | 1852.428 | 17802 |
| 828.6273 | 25232 | 988.6206 | 25236 | 1143.874 | 24535 | 1294.514 | 25567 | 1440.666 | 23400 | 1582.456 | 30351 | 1720.011 | 19429 | 1853.455 | 17740 |
| 829.896 | 25434 | 989.8517 | 25313 | 1145.069 | 24397 | 1295.673 | 25368 | 1441.79 | 23480 | 1583.547 | 30181 | 1721.069 | 19318 | 1854.482 | 17753 |
| 831.1643 | 25407 | 991.0825 | 25256 | 1146.263 | 24400 | 1296.832 | 25371 | 1442.915 | 23395 | 1584.638 | 29371 | 1722.127 | 19444 | 1855.508 | 17800 |
| 832.4324 | 25479 | 992.3131 | 25384 | 1147.457 | 24331 | 1297.99 | 25631 | 1444.039 | 23481 | 1585.728 | 28285 | 1723.185 | 19272 | 1856.535 | 17711 |
| 833.7001 | 25446 | 993.5433 | 25520 | 1148.651 | 24467 | 1299.148 | 25584 | 1445.162 | 23385 | 1586.818 | 26717 | 1724.242 | 19412 | 1857.561 | 17653 |
| 834.9676 | 25377 | 994.7733 | 25606 | 1149.844 | 24493 | 1300.306 | 25437 | 1446.286 | 23307 | 1587.908 | 25687 | 1725.3 | 19205 | 1858.586 | 17615 |
| 836.2347 | 25598 | 996.003 | 25323 | 1151.037 | 24570 | 1301.464 | 25570 | 1447.409 | 23106 | 1588.998 | 24486 | 1726.357 | 19288 | 1859.612 | 17593 |
| 837.5016 | 25460 | 997.2324 | 25636 | 1152.23 | 24501 | 1302.621 | 25390 | 1448.532 | 23314 | 1590.087 | 23589 | 1727.414 | 19053 | 1860.637 | 17607 |
| 838.7682 | 25493 | 998.4615 | 25597 | 1153.423 | 24881 | 1303.779 | 25519 | 1449.654 | 23016 | 1591.176 | 23109 | 1728.47 | 19110 | 1861.662 | 17577 |
| 840.0344 | 25354 | 999.6903 | 25535 | 1154.615 | 24959 | 1304.935 | 25515 | 1450.777 | 23163 | 1592.265 | 22533 | 1729.526 | 19043 | 1862.687 | 17468 |
| 841.3004 | 25666 | 1000.919 | 25627 | 1155.807 | 24933 | 1306.092 | 25682 | 1451.899 | 23186 | 1593.354 | 22182 | 1730.582 | 19180 | 1863.711 | 17584 |
| 842.5661 | 25718 | 1002.147 | 25598 | 1156.999 | 24793 | 1307.248 | 25531 | 1453.021 | 22961 | 1594.442 | 22024 | 1731.638 | 18994 | 1864.736 | 17463 |
| 843.8315 | 25850 | 1003.375 | 25761 | 1158.191 | 24845 | 1308.404 | 25514 | 1454.142 | 22996 | 1595.53 | 21877 | 1732.694 | 19082 | 1865.76 | 17462 |
| 845.0965 | 25881 | 1004.603 | 25498 | 1159.382 | 24975 | 1309.56 | 25455 | 1455.263 | 23071 | 1596.618 | 21654 | 1733.749 | 19190 | 1866.783 | 17399 |
| 846.3613 | 26035 | 1005.83 | 25506 | 1160.573 | 24958 | 1310.716 | 25161 | 1456.384 | 23070 | 1597.705 | 21753 | 1734.804 | 19064 | 1867.807 | 17255 |
| 847.6258 | 26164 | 1007.057 | 25784 | 1161.763 | 24945 | 1311.871 | 25186 | 1457.505 | 22946 | 1598.793 | 21654 | 1735.859 | 19057 | 1868.83 | 17312 |
| 848.89 | 26216 | 1008.284 | 25570 | 1162.954 | 25146 | 1313.026 | 24963 | 1458.626 | 22727 | 1599.88 | 21416 | 1736.913 | 19056 | 1869.853 | 17313 |
| 850.1539 | 26153 | 1009.51 | 25752 | 1164.144 | 25137 | 1314.18 | 24864 | 1459.746 | 22946 | 1600.966 | 21440 | 1737.968 | 19116 | 1870.876 | 17517 |
| 851.4175 | 26060 | 1010.737 | 25640 | 1165.334 | 25047 | 1315.335 | 24636 | 1460.866 | 22826 | 1602.053 | 21341 | 1739.022 | 18873 | 1871.899 | 17375 |
| 852.6808 | 25993 | 1011.963 | 25362 | 1166.523 | 25042 | 1316.489 | 24714 | 1461.986 | 22889 | 1603.139 | 21325 | 1740.076 | 19051 | 1872.921 | 17507 |
| 853.9438 | 25808 | 1013.188 | 25499 | 1167.713 | 25057 | 1317.643 | 24662 | 1463.105 | 22938 | 1604.225 | 21309 | 1741.129 | 18989 | 1873.943 | 17416 |
| 855.2065 | 25919 | 1014.414 | 25547 | 1168.902 | 25128 | 1318.796 | 24437 | 1464.224 | 22879 | 1605.311 | 21165 | 1742.182 | 18916 | 1874.965 | 17454 |
| 856.469 | 25772 | 1015.639 | 25471 | 1170.09 | 24987 | 1319.95 | 24486 | 1465.343 | 22936 | 1606.396 | 21214 | 1743.235 | 18843 | 1875.986 | 17393 |
| 857.7311 | 25895 | 1016.863 | 25320 | 1171.279 | 25331 | 1321.103 | 24541 | 1466.462 | 22854 | 1607.482 | 21340 | 1744.288 | 18983 | 1877.008 | 17310 |
| 858.9929 | 25840 | 1018.088 | 25452 | 1172.467 | 25091 | 1322.255 | 24617 | 1467.58 | 22882 | 1608.567 | 21190 | 1745.341 | 18872 | 1878.029 | 17421 |
| 860.2544 | 25907 | 1019.312 | 25413 | 1173.655 | 25268 | 1323.408 | 24444 | 1468.698 | 22972 | 1609.651 | 21132 | 1746.393 | 18803 | 1879.05 | 17516 |
| 861.5157 | 25749 | 1020.536 | 25510 | 1174.842 | 25003 | 1324.56 | 24432 | 1469.816 | 22908 | 1610.736 | 21186 | 1747.445 | 18832 | 1880.07 | 17382 |
| 862.7766 | 25774 | 1021.76 | 25461 | 1176.029 | 25230 | 1325.712 | 24459 | 1470.934 | 22811 | 1611.82 | 21157 | 1748.497 | 18652 | 1881.091 | 17196 |
| 864.0373 | 25788 | 1022.983 | 25442 | 1177.216 | 25197 | 1326.864 | 24535 | 1472.051 | 22984 | 1612.904 | 20977 | 1749.548 | 18775 | 1882.111 | 17166 |
| 865.2976 | 25675 | 1024.206 | 25285 | 1178.403 | 25206 | 1328.015 | 24348 | 1473.168 | 22936 | 1613.987 | 21134 | 1750.6 | 18709 | 1883.131 | 17122 |
| 866.5577 | 25371 | 1025.429 | 25245 | 1179.59 | 25288 | 1329.166 | 24326 | 1474.285 | 23092 | 1615.071 | 21142 | 1751.651 | 18667 | 1884.151 | 17204 |
| 867.8174 | 25378 | 1026.651 | 25303 | 1180.776 | 24894 | 1330.317 | 24349 | 1475.401 | 22842 | 1616.154 | 21051 | 1752.702 | 18721 | 1885.17 | 17229 |
| 869.0769 | 25382 | 1027.873 | 25307 | 1181.962 | 24854 | 1331.468 | 24369 | 1476.518 | 22853 | 1617.237 | 21198 | 1753.752 | 18814 | 1886.189 | 17227 |
| 870.3361 | 25352 | 1029.095 | 25533 | 1183.147 | 25010 | 1332.618 | 24350 | 1477.633 | 22793 | 1618.32 | 21057 | 1754.803 | 18720 | 1887.208 | 17398 |
| 871.5949 | 25253 | 1030.317 | 25388 | 1184.333 | 24745 | 1333.768 | 24170 | 1478.749 | 22805 | 1619.402 | 21218 | 1755.853 | 18697 | 1888.227 | 17220 |
| 872.8535 | 25303 | 1031.538 | 25479 | 1185.518 | 24648 | 1334.918 | 24085 | 1479.865 | 22606 | 1620.484 | 21261 | 1756.902 | 18555 | 1889.245 | 17490 |
| 874.1118 | 25252 | 1032.759 | 25393 | 1186.702 | 24649 | 1336.067 | 24394 | 1480.98 | 22489 | 1621.566 | 20990 | 1757.952 | 18695 | 1890.263 | 17399 |
| 875.3698 | 25251 | 1033.98 | 25410 | 1187.887 | 24596 | 1337.217 | 24294 | 1482.095 | 22449 | 1622.648 | 20986 | 1759.001 | 18399 | 1891.281 | 17363 |
| 876.6275 | 25363 | 1035.201 | 25485 | 1189.071 | 24792 | 1338.366 | 24056 | 1483.209 | 22486 | 1623.729 | 20824 | 1760.05 | 18587 | 1892.299 | 17352 |
| 877.8849 | 25148 | 1036.421 | 25383 | 1190.255 | 24554 | 1339.514 | 24291 | 1484.324 | 22277 | 1624.81 | 20891 | 1761.099 | 18630 | 1893.317 | 17293 |
| 879.142 | 25199 | 1037.641 | 25398 | 1191.439 | 24424 | 1340.663 | 24307 | 1485.438 | 22451 | 1625.891 | 20769 | 1762.148 | 18576 | 1894.334 | 17256 |
| 880.3988 | 25232 | 1038.86 | 25495 | 1192.622 | 24477 | 1341.811 | 24196 | 1486.552 | 22415 | 1626.972 | 20860 | 1763.196 | 18616 | 1895.351 | 17195 |
| 881.6553 | 25314 | 1040.08 | 25575 | 1193.805 | 24453 | 1342.959 | 23992 | 1487.666 | 22416 | 1628.052 | 20836 | 1764.244 | 18770 | 1896.368 | 17231 |
| 882.9115 | 25261 | 1041.299 | 25525 | 1194.988 | 24545 | 1344.106 | 24030 | 1488.779 | 22431 | 1629.132 | 20866 | 1765.292 | 18549 | 1897.384 | 17074 |
| 884.1675 | 25344 | 1042.517 | 25465 | 1196.171 | 24546 | 1345.254 | 23957 | 1489.892 | 22541 | 1630.212 | 20778 | 1766.339 | 18631 | 1898.4 | 17120 |
| 885.4231 | 25181 | 1043.736 | 25385 | 1197.353 | 24529 | 1346.401 | 24131 | 1491.005 | 22450 | 1631.292 | 20833 | 1767.387 | 18765 | 1899.417 | 17176 |
| 886.6785 | 25230 | 1044.954 | 25416 | 1198.535 | 24733 | 1347.547 | 24243 | 1492.117 | 22450 | 1632.371 | 20713 | 1768.434 | 18719 | 1900.432 | 16940 |
| 887.9335 | 25196 | 1046.172 | 25338 | 1199.717 | 24614 | 1348.694 | 23969 | 1493.23 | 22477 | 1633.45 | 20699 | 1769.481 | 18771 | 1901.448 | 17169 |
| 889.1882 | 25231 | 1047.389 | 25542 | 1200.898 | 24514 | 1349.84 | 23988 | 1494.342 | 22589 | 1634.529 | 20554 | 1770.527 | 18683 | 1902.463 | 17119 |
| 890.4427 | 25152 | 1048.607 | 25351 | 1202.079 | 24602 | 1350.986 | 24325 | 1495.453 | 22264 | 1635.607 | 20453 | 1771.574 | 18815 | 1903.478 | 17174 |
| 891.6969 | 25427 | 1049.824 | 25472 | 1203.26 | 24520 | 1352.132 | 24350 | 1496.565 | 22509 | 1636.686 | 20513 | 1772.62 | 18662 | 1904.493 | 17142 |
| 892.9507 | 25181 | 1051.04 | 25546 | 1204.441 | 24593 | 1353.277 | 24292 | 1497.676 | 22402 | 1637.764 | 20447 | 1773.666 | 18676 | 1905.508 | 17168 |
| 894.2043 | 25234 | 1052.257 | 25715 | 1205.621 | 24517 | 1354.422 | 24265 | 1498.787 | 22488 | 1638.841 | 20284 | 1774.711 | 18674 | 1906.522 | 17261 |
| 895.4576 | 25287 | 1053.473 | 25897 | 1206.801 | 24542 | 1355.567 | 24355 | 1499.898 | 22348 | 1639.919 | 20365 | 1775.756 | 18622 | 1907.536 | 17142 |
| 896.7106 | 25139 | 1054.689 | 26090 | 1207.981 | 24513 | 1356.712 | 24564 | 1501.008 | 22329 | 1640.996 | 20286 | 1776.802 | 18563 | 1908.55 | 17196 |
| 897.9633 | 24981 | 1055.905 | 26228 | 1209.16 | 24462 | 1357.856 | 24456 | 1502.119 | 22071 | 1642.073 | 20306 | 1777.846 | 18615 | 1909.564 | 17206 |
| 899.2157 | 25022 | 1057.12 | 26249 | 1210.339 | 24543 | 1359 | 24566 | 1503.228 | 22248 | 1643.15 | 20210 | 1778.891 | 18811 | 1910.577 | 16959 |
| 900.4678 | 25201 | 1058.335 | 26600 | 1211.518 | 24560 | 1360.144 | 24726 | 1504.338 | 22299 | 1644.227 | 20280 | 1779.935 | 18653 | 1911.59 | 17079 |
| 901.7196 | 25185 | 1059.55 | 26782 | 1212.697 | 24525 | 1361.288 | 24883 | 1505.448 | 22261 | 1645.303 | 20271 | 1780.979 | 18585 | 1912.603 | 17094 |
| 902.9711 | 25084 | 1060.764 | 27158 | 1213.875 | 24551 | 1362.431 | 24848 | 1506.557 | 22061 | 1646.379 | 20231 | 1782.023 | 18659 | 1913.616 | 17125 |
| 904.2223 | 25144 | 1061.978 | 27412 | 1215.053 | 24593 | 1363.574 | 25150 | 1507.666 | 22104 | 1647.455 | 20172 | 1783.067 | 18569 | 1914.628 | 17016 |
| 905.4733 | 24907 | 1063.192 | 27733 | 1216.231 | 24522 | 1364.717 | 25115 | 1508.774 | 22027 | 1648.53 | 20214 | 1784.11 | 18686 | 1915.641 | 16860 |
| 906.7239 | 25129 | 1064.406 | 27985 | 1217.409 | 24643 | 1365.859 | 25361 | 1509.883 | 22010 | 1649.605 | 20041 | 1785.153 | 18520 | 1916.653 | 16879 |
| 907.9743 | 25143 | 1065.619 | 28275 | 1218.586 | 24602 | 1367.001 | 25396 | 1510.991 | 22111 | 1650.68 | 20110 | 1786.196 | 18526 | 1917.664 | 16914 |
| 909.2243 | 25192 | 1066.832 | 28512 | 1219.763 | 24751 | 1368.143 | 25397 | 1512.098 | 22229 | 1651.755 | 20156 | 1787.239 | 18395 | 1918.676 | 16787 |
| 910.4741 | 25161 | 1068.045 | 28756 | 1220.94 | 24830 | 1369.285 | 25373 | 1513.206 | 22318 | 1652.83 | 20115 | 1788.281 | 18379 | 1919.687 | 16844 |
| 911.7235 | 24891 | 1069.257 | 29165 | 1222.116 | 24700 | 1370.426 | 25478 | 1514.313 | 22245 | 1653.904 | 19939 | 1789.323 | 18278 | 1920.698 | 16999 |
| 912.9727 | 25067 | 1070.469 | 29594 | 1223.292 | 24784 | 1371.567 | 25408 | 1515.42 | 22348 | 1654.978 | 20080 | 1790.365 | 18312 | 1921.709 | 16838 |
| 914.2216 | 24961 | 1071.681 | 30119 | 1224.468 | 24835 | 1372.708 | 25530 | 1516.527 | 22262 | 1656.051 | 20107 | 1791.407 | 18298 | 1922.719 | 16803 |
| 915.4702 | 25129 | 1072.893 | 30311 | 1225.644 | 24901 | 1373.849 | 25506 | 1517.634 | 22260 | 1657.125 | 20112 | 1792.448 | 18286 | 1923.73 | 16771 |
| 916.7185 | 25083 | 1074.104 | 30601 | 1226.819 | 24912 | 1374.989 | 25448 | 1518.74 | 22348 | 1658.198 | 20097 | 1793.489 | 18356 | 1924.74 | 16764 |
| 917.9665 | 25159 | 1075.315 | 31039 | 1227.994 | 24822 | 1376.129 | 25567 | 1519.846 | 22265 | 1659.271 | 20137 | 1794.53 | 18105 | 1925.75 | 16838 |
| 919.2142 | 25138 | 1076.526 | 31218 | 1229.169 | 25094 | 1377.269 | 25443 | 1520.952 | 22262 | 1660.344 | 20210 | 1795.571 | 18147 | 1926.759 | 16727 |
| 920.4616 | 25112 | 1077.736 | 31217 | 1230.343 | 25163 | 1378.408 | 25349 | 1522.057 | 22218 | 1661.416 | 20277 | 1796.611 | 18261 | 1927.769 | 16904 |
| 921.7087 | 25068 | 1078.946 | 31053 | 1231.517 | 25273 | 1379.547 | 25163 | 1523.162 | 22132 | 1662.488 | 20251 | 1797.651 | 18251 | 1928.778 | 17067 |
| 922.9556 | 24976 | 1080.156 | 30609 | 1232.691 | 25402 | 1380.686 | 25182 | 1524.267 | 22049 | 1663.56 | 20152 | 1798.691 | 18214 | 1929.787 | 17029 |
| 924.2021 | 25033 | 1081.366 | 29985 | 1233.865 | 25477 | 1381.825 | 25202 | 1525.372 | 22138 | 1664.632 | 20137 | 1799.731 | 18113 | 1930.795 | 16909 |
| 925.4483 | 25141 | 1082.575 | 29296 | 1235.038 | 25351 | 1382.963 | 25127 | 1526.476 | 22167 | 1665.703 | 20137 | 1800.77 | 18209 | 1931.804 | 17058 |
| 926.6943 | 25161 | 1083.784 | 28593 | 1236.211 | 25599 | 1384.101 | 24927 | 1527.58 | 21811 | 1666.775 | 20139 | 1801.81 | 18177 | 1932.812 | 17074 |
| 927.94 | 24933 | 1084.993 | 28012 | 1237.384 | 25592 | 1385.239 | 24986 | 1528.684 | 22021 | 1667.845 | 20218 | 1802.849 | 18139 | 1933.82 | 16936 |
| 929.1853 | 24925 | 1086.202 | 27194 | 1238.557 | 25853 | 1386.377 | 24932 | 1529.788 | 21998 | 1668.916 | 20076 | 1803.887 | 18158 | 1934.827 | 16853 |
| 930.4304 | 25141 | 1087.41 | 26760 | 1239.729 | 25701 | 1387.514 | 24932 | 1530.891 | 21883 | 1669.987 | 20028 | 1804.926 | 18144 | 1935.835 | 16943 |
| 931.6752 | 25162 | 1088.618 | 26188 | 1240.901 | 25881 | 1388.651 | 24801 | 1531.994 | 22072 | 1671.057 | 20058 | 1805.964 | 18179 | 1936.842 | 16763 |
| 932.9197 | 25012 | 1089.825 | 25917 | 1242.073 | 25790 | 1389.788 | 24868 | 1533.097 | 21988 | 1672.127 | 19930 | 1807.002 | 18151 | 1937.849 | 17024 |
| 934.1639 | 25222 | 1091.033 | 25741 | 1243.244 | 25850 | 1390.925 | 24939 | 1534.2 | 21981 | 1673.196 | 20174 | 1808.039 | 18203 | 1938.856 | 16866 |
| 935.4078 | 25034 | 1092.24 | 25614 | 1244.415 | 25723 | 1392.061 | 24891 | 1535.302 | 22008 | 1674.266 | 20210 | 1809.077 | 18167 | 1939.862 | 16851 |
| 936.6514 | 25136 | 1093.446 | 25529 | 1245.586 | 25476 | 1393.197 | 24535 | 1536.404 | 21864 | 1675.335 | 20341 | 1810.114 | 18207 | 1940.868 | 16843 |
| 937.8947 | 24961 | 1094.653 | 25441 | 1246.757 | 25433 | 1394.332 | 24562 | 1537.506 | 22012 | 1676.404 | 20260 | 1811.151 | 18205 | 1941.874 | 16830 |
| 939.1378 | 25034 | 1095.859 | 25237 | 1247.927 | 25274 | 1395.468 | 24657 | 1538.608 | 21835 | 1677.472 | 20439 | 1812.188 | 18212 | 1942.88 | 16931 |
| 940.3805 | 24945 | 1097.065 | 25205 | 1249.097 | 25362 | 1396.603 | 24463 | 1539.709 | 21834 | 1678.541 | 20265 | 1813.224 | 18191 | 1943.886 | 16933 |
| 941.623 | 24907 | 1098.27 | 25180 | 1250.267 | 25119 | 1397.738 | 24491 | 1540.81 | 21976 | 1679.609 | 20388 | 1814.26 | 18083 | 1944.891 | 16920 |
| 942.8651 | 25024 | 1099.476 | 25199 | 1251.436 | 25004 | 1398.873 | 24180 | 1541.911 | 21986 | 1680.677 | 20321 | 1815.296 | 18153 | 1945.896 | 16670 |
| 944.107 | 25029 | 1100.681 | 25040 | 1252.606 | 25239 | 1400.007 | 24340 | 1543.011 | 21915 | 1681.744 | 20363 | 1816.332 | 18071 | 1946.901 | 16767 |

Applied potential: 0.00 V-1



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 30979 | 945.3486 | 31816 | 1101.886 | 33703 | 1253.774 | 34163 | 1401.141 | 35000 | 1544.112 | 30415 | 1682.812 | 27001 | 1817.368 | 23344 |
| 785.3164 | 31625 | 946.5899 | 32050 | 1103.09 | 33776 | 1254.943 | 34061 | 1402.275 | 34473 | 1545.211 | 30600 | 1683.879 | 27187 | 1818.403 | 23653 |
| 786.5952 | 31615 | 947.8308 | 31847 | 1104.294 | 33677 | 1256.112 | 33994 | 1403.408 | 34196 | 1546.311 | 30310 | 1684.946 | 27120 | 1819.438 | 23435 |
| 787.8737 | 31497 | 949.0715 | 31868 | 1105.498 | 33723 | 1257.28 | 33898 | 1404.542 | 33807 | 1547.411 | 30611 | 1686.012 | 27158 | 1820.473 | 23369 |
| 789.1519 | 31440 | 950.312 | 32063 | 1106.702 | 33803 | 1258.447 | 34106 | 1405.675 | 33474 | 1548.51 | 30689 | 1687.079 | 27110 | 1821.507 | 23406 |
| 790.4297 | 31600 | 951.5521 | 31860 | 1107.905 | 33597 | 1259.615 | 34143 | 1406.808 | 33160 | 1549.609 | 31066 | 1688.145 | 27239 | 1822.541 | 23195 |
| 791.7073 | 31579 | 952.7919 | 32114 | 1109.108 | 33747 | 1260.782 | 34077 | 1407.94 | 33111 | 1550.707 | 31139 | 1689.211 | 27292 | 1823.575 | 23341 |
| 792.9846 | 31721 | 954.0314 | 32040 | 1110.311 | 33653 | 1261.949 | 34092 | 1409.072 | 32970 | 1551.806 | 30847 | 1690.276 | 27282 | 1824.609 | 23325 |
| 794.2616 | 31688 | 955.2707 | 31963 | 1111.514 | 33672 | 1263.116 | 34243 | 1410.204 | 32585 | 1552.904 | 31258 | 1691.342 | 27420 | 1825.643 | 23431 |
| 795.5383 | 31694 | 956.5096 | 32011 | 1112.716 | 33444 | 1264.283 | 34327 | 1411.336 | 32543 | 1554.002 | 31386 | 1692.407 | 27399 | 1826.676 | 23207 |
| 796.8146 | 31695 | 957.7483 | 32282 | 1113.918 | 33469 | 1265.449 | 34393 | 1412.467 | 32529 | 1555.1 | 31283 | 1693.471 | 27439 | 1827.709 | 23210 |
| 798.0907 | 31540 | 958.9867 | 32124 | 1115.119 | 33374 | 1266.615 | 34414 | 1413.598 | 32343 | 1556.197 | 31495 | 1694.536 | 27717 | 1828.742 | 23189 |
| 799.3665 | 31767 | 960.2248 | 32165 | 1116.321 | 33267 | 1267.78 | 34485 | 1414.729 | 32217 | 1557.294 | 31699 | 1695.6 | 27805 | 1829.774 | 23057 |
| 800.642 | 31701 | 961.4626 | 32306 | 1117.522 | 33110 | 1268.946 | 34550 | 1415.86 | 32345 | 1558.391 | 31812 | 1696.664 | 27592 | 1830.807 | 23111 |
| 801.9172 | 31607 | 962.7001 | 32201 | 1118.723 | 32834 | 1270.111 | 34499 | 1416.99 | 32244 | 1559.488 | 32094 | 1697.728 | 27606 | 1831.839 | 23195 |
| 803.1921 | 31773 | 963.9373 | 32355 | 1119.923 | 33032 | 1271.275 | 34488 | 1418.12 | 31912 | 1560.584 | 32418 | 1698.792 | 27893 | 1832.87 | 23084 |
| 804.4667 | 31801 | 965.1742 | 32218 | 1121.123 | 32822 | 1272.44 | 34747 | 1419.25 | 31807 | 1561.68 | 32857 | 1699.855 | 27903 | 1833.902 | 23184 |
| 805.741 | 31824 | 966.4108 | 32479 | 1122.323 | 33191 | 1273.604 | 34743 | 1420.38 | 31690 | 1562.776 | 33562 | 1700.918 | 27905 | 1834.933 | 22823 |
| 807.015 | 31711 | 967.6472 | 32394 | 1123.523 | 33343 | 1274.768 | 34965 | 1421.509 | 31676 | 1563.871 | 34361 | 1701.981 | 27706 | 1835.964 | 22862 |
| 808.2887 | 31719 | 968.8832 | 32417 | 1124.722 | 33304 | 1275.932 | 34931 | 1422.638 | 31302 | 1564.967 | 34906 | 1703.044 | 27793 | 1836.995 | 22832 |
| 809.5621 | 31821 | 970.119 | 32423 | 1125.921 | 33661 | 1277.095 | 34807 | 1423.767 | 31427 | 1566.062 | 36450 | 1704.106 | 27618 | 1838.026 | 22890 |
| 810.8352 | 32014 | 971.3544 | 32410 | 1127.12 | 33686 | 1278.259 | 34814 | 1424.895 | 31192 | 1567.156 | 37992 | 1705.168 | 27423 | 1839.056 | 22776 |
| 812.108 | 31972 | 972.5896 | 32483 | 1128.319 | 33649 | 1279.421 | 34702 | 1426.023 | 31052 | 1568.251 | 39621 | 1706.23 | 27209 | 1840.086 | 22863 |
| 813.3805 | 31831 | 973.8245 | 32377 | 1129.517 | 33870 | 1280.584 | 34761 | 1427.151 | 31124 | 1569.345 | 41311 | 1707.291 | 27216 | 1841.116 | 22681 |
| 814.6527 | 32006 | 975.0591 | 32517 | 1130.715 | 33739 | 1281.746 | 34869 | 1428.279 | 31149 | 1570.439 | 42982 | 1708.353 | 27178 | 1842.146 | 22699 |
| 815.9246 | 31875 | 976.2934 | 32505 | 1131.913 | 33558 | 1282.908 | 34560 | 1429.407 | 31134 | 1571.533 | 44461 | 1709.414 | 26988 | 1843.175 | 22723 |
| 817.1962 | 32121 | 977.5274 | 32353 | 1133.11 | 33581 | 1284.07 | 34685 | 1430.534 | 31181 | 1572.626 | 45581 | 1710.475 | 26998 | 1844.204 | 22810 |
| 818.4675 | 32080 | 978.7612 | 32671 | 1134.307 | 33645 | 1285.232 | 34814 | 1431.661 | 31328 | 1573.72 | 47263 | 1711.535 | 26707 | 1845.233 | 22752 |
| 819.7385 | 32347 | 979.9946 | 32717 | 1135.504 | 33431 | 1286.393 | 34798 | 1432.787 | 31298 | 1574.813 | 49424 | 1712.596 | 26650 | 1846.262 | 22859 |
| 821.0093 | 32175 | 981.2278 | 32862 | 1136.701 | 33144 | 1287.554 | 34330 | 1433.913 | 31365 | 1575.905 | 52291 | 1713.656 | 26624 | 1847.29 | 22842 |
| 822.2797 | 32443 | 982.4606 | 33230 | 1137.897 | 33192 | 1288.715 | 34748 | 1435.04 | 31357 | 1576.998 | 55916 | 1714.715 | 26465 | 1848.318 | 23017 |
| 823.5498 | 32482 | 983.6932 | 33090 | 1139.093 | 32681 | 1289.875 | 34454 | 1436.165 | 31280 | 1578.09 | 59916 | 1715.775 | 26573 | 1849.346 | 22964 |
| 824.8196 | 32324 | 984.9255 | 32884 | 1140.289 | 32832 | 1291.035 | 34407 | 1437.291 | 31346 | 1579.182 | 62915 | 1716.834 | 26378 | 1850.374 | 22834 |
| 826.0892 | 32528 | 986.1575 | 33218 | 1141.484 | 32672 | 1292.195 | 34440 | 1438.416 | 31482 | 1580.274 | 65456 | 1717.893 | 26408 | 1851.401 | 23001 |
| 827.3584 | 32301 | 987.3892 | 33325 | 1142.679 | 32587 | 1293.355 | 34238 | 1439.541 | 31765 | 1581.365 | 66179 | 1718.952 | 26240 | 1852.428 | 22897 |
| 828.6273 | 32510 | 988.6206 | 33581 | 1143.874 | 32254 | 1294.514 | 34262 | 1440.666 | 31903 | 1582.456 | 64826 | 1720.011 | 26143 | 1853.455 | 22997 |
| 829.896 | 32587 | 989.8517 | 33610 | 1145.069 | 32562 | 1295.673 | 34137 | 1441.79 | 31900 | 1583.547 | 60595 | 1721.069 | 26079 | 1854.482 | 23060 |
| 831.1643 | 32651 | 991.0825 | 34051 | 1146.263 | 32227 | 1296.832 | 34369 | 1442.915 | 31822 | 1584.638 | 56184 | 1722.127 | 26073 | 1855.508 | 22791 |
| 832.4324 | 32725 | 992.3131 | 34839 | 1147.457 | 32135 | 1297.99 | 34280 | 1444.039 | 31920 | 1585.728 | 51125 | 1723.185 | 25880 | 1856.535 | 22972 |
| 833.7001 | 32574 | 993.5433 | 36573 | 1148.651 | 32442 | 1299.148 | 34380 | 1445.162 | 31843 | 1586.818 | 46749 | 1724.242 | 25726 | 1857.561 | 22916 |
| 834.9676 | 32720 | 994.7733 | 39409 | 1149.844 | 32313 | 1300.306 | 34103 | 1446.286 | 31810 | 1587.908 | 42689 | 1725.3 | 25607 | 1858.586 | 22709 |
| 836.2347 | 32759 | 996.003 | 42550 | 1151.037 | 32653 | 1301.464 | 34194 | 1447.409 | 31850 | 1588.998 | 39698 | 1726.357 | 25617 | 1859.612 | 22809 |
| 837.5016 | 32697 | 997.2324 | 42941 | 1152.23 | 32902 | 1302.621 | 34109 | 1448.532 | 31701 | 1590.087 | 37426 | 1727.414 | 25540 | 1860.637 | 22681 |
| 838.7682 | 32823 | 998.4615 | 41167 | 1153.423 | 32819 | 1303.779 | 34256 | 1449.654 | 31645 | 1591.176 | 35769 | 1728.47 | 25206 | 1861.662 | 22642 |
| 840.0344 | 32768 | 999.6903 | 38891 | 1154.615 | 33028 | 1304.935 | 34342 | 1450.777 | 31386 | 1592.265 | 34456 | 1729.526 | 25280 | 1862.687 | 22508 |
| 841.3004 | 33134 | 1000.919 | 37028 | 1155.807 | 33101 | 1306.092 | 34281 | 1451.899 | 31531 | 1593.354 | 33520 | 1730.582 | 25169 | 1863.711 | 22544 |
| 842.5661 | 33253 | 1002.147 | 35871 | 1156.999 | 33220 | 1307.248 | 34418 | 1453.021 | 31349 | 1594.442 | 32689 | 1731.638 | 25245 | 1864.736 | 22464 |
| 843.8315 | 33318 | 1003.375 | 35483 | 1158.191 | 33225 | 1308.404 | 34222 | 1454.142 | 31349 | 1595.53 | 32423 | 1732.694 | 25242 | 1865.76 | 22307 |
| 845.0965 | 33370 | 1004.603 | 35033 | 1159.382 | 32953 | 1309.56 | 34029 | 1455.263 | 31443 | 1596.618 | 32034 | 1733.749 | 25103 | 1866.783 | 22321 |
| 846.3613 | 33455 | 1005.83 | 35025 | 1160.573 | 33396 | 1310.716 | 34032 | 1456.384 | 31193 | 1597.705 | 31685 | 1734.804 | 25021 | 1867.807 | 22169 |
| 847.6258 | 33389 | 1007.057 | 34913 | 1161.763 | 33285 | 1311.871 | 34038 | 1457.505 | 31194 | 1598.793 | 31372 | 1735.859 | 25001 | 1868.83 | 22192 |
| 848.89 | 33766 | 1008.284 | 34906 | 1162.954 | 33425 | 1313.026 | 33960 | 1458.626 | 31176 | 1599.88 | 30973 | 1736.913 | 24977 | 1869.853 | 22340 |
| 850.1539 | 33755 | 1009.51 | 34801 | 1164.144 | 33295 | 1314.18 | 33711 | 1459.746 | 31221 | 1600.966 | 30458 | 1737.968 | 25003 | 1870.876 | 22300 |
| 851.4175 | 33734 | 1010.737 | 34633 | 1165.334 | 33660 | 1315.335 | 33546 | 1460.866 | 31010 | 1602.053 | 30342 | 1739.022 | 24968 | 1871.899 | 22331 |
| 852.6808 | 33467 | 1011.963 | 34434 | 1166.523 | 33711 | 1316.489 | 33315 | 1461.986 | 31246 | 1603.139 | 30115 | 1740.076 | 24934 | 1872.921 | 22471 |
| 853.9438 | 33593 | 1013.188 | 34306 | 1167.713 | 33893 | 1317.643 | 33175 | 1463.105 | 31119 | 1604.225 | 29969 | 1741.129 | 24905 | 1873.943 | 22492 |
| 855.2065 | 33325 | 1014.414 | 34237 | 1168.902 | 34218 | 1318.796 | 33270 | 1464.224 | 31322 | 1605.311 | 29723 | 1742.182 | 24754 | 1874.965 | 22283 |
| 856.469 | 33570 | 1015.639 | 34157 | 1170.09 | 34526 | 1319.95 | 32979 | 1465.343 | 31211 | 1606.396 | 29622 | 1743.235 | 24603 | 1875.986 | 22351 |
| 857.7311 | 33328 | 1016.863 | 35227 | 1171.279 | 34920 | 1321.103 | 33168 | 1466.462 | 31523 | 1607.482 | 29694 | 1744.288 | 24711 | 1877.008 | 22526 |
| 858.9929 | 33269 | 1018.088 | 35730 | 1172.467 | 35314 | 1322.255 | 32842 | 1467.58 | 31653 | 1608.567 | 29444 | 1745.341 | 24580 | 1878.029 | 22367 |
| 860.2544 | 33629 | 1019.312 | 36938 | 1173.655 | 35385 | 1323.408 | 33133 | 1468.698 | 31757 | 1609.651 | 29661 | 1746.393 | 24429 | 1879.05 | 22391 |
| 861.5157 | 33277 | 1020.536 | 37370 | 1174.842 | 35820 | 1324.56 | 33007 | 1469.816 | 31773 | 1610.736 | 29293 | 1747.445 | 24416 | 1880.07 | 22424 |
| 862.7766 | 33249 | 1021.76 | 37372 | 1176.029 | 35814 | 1325.712 | 33015 | 1470.934 | 31794 | 1611.82 | 29182 | 1748.497 | 24689 | 1881.091 | 22260 |
| 864.0373 | 33236 | 1022.983 | 36503 | 1177.216 | 35382 | 1326.864 | 32804 | 1472.051 | 31872 | 1612.904 | 29193 | 1749.548 | 24423 | 1882.111 | 22032 |
| 865.2976 | 32958 | 1024.206 | 35505 | 1178.403 | 35055 | 1328.015 | 32797 | 1473.168 | 31651 | 1613.987 | 29060 | 1750.6 | 24435 | 1883.131 | 21990 |
| 866.5577 | 32815 | 1025.429 | 34692 | 1179.59 | 34780 | 1329.166 | 32699 | 1474.285 | 31827 | 1615.071 | 29074 | 1751.651 | 24493 | 1884.151 | 22044 |
| 867.8174 | 32780 | 1026.651 | 34040 | 1180.776 | 34049 | 1330.317 | 32569 | 1475.401 | 31568 | 1616.154 | 28987 | 1752.702 | 24431 | 1885.17 | 22097 |
| 869.0769 | 32386 | 1027.873 | 33797 | 1181.962 | 33508 | 1331.468 | 32716 | 1476.518 | 31771 | 1617.237 | 29173 | 1753.752 | 24275 | 1886.189 | 22251 |
| 870.3361 | 32378 | 1029.095 | 33661 | 1183.147 | 33132 | 1332.618 | 32548 | 1477.633 | 31766 | 1618.32 | 28966 | 1754.803 | 24454 | 1887.208 | 22357 |
| 871.5949 | 32337 | 1030.317 | 33570 | 1184.333 | 32856 | 1333.768 | 32720 | 1478.749 | 31467 | 1619.402 | 28643 | 1755.853 | 24376 | 1888.227 | 22308 |
| 872.8535 | 32222 | 1031.538 | 33768 | 1185.518 | 32612 | 1334.918 | 32541 | 1479.865 | 31391 | 1620.484 | 29001 | 1756.902 | 24190 | 1889.245 | 22266 |
| 874.1118 | 32177 | 1032.759 | 33869 | 1186.702 | 32511 | 1336.067 | 32636 | 1480.98 | 31092 | 1621.566 | 28846 | 1757.952 | 24304 | 1890.263 | 22361 |
| 875.3698 | 32142 | 1033.98 | 33694 | 1187.887 | 32390 | 1337.217 | 32650 | 1482.095 | 31165 | 1622.648 | 28642 | 1759.001 | 24303 | 1891.281 | 22468 |
| 876.6275 | 32308 | 1035.201 | 33702 | 1189.071 | 32347 | 1338.366 | 32666 | 1483.209 | 30739 | 1623.729 | 28617 | 1760.05 | 24315 | 1892.299 | 22296 |
| 877.8849 | 32092 | 1036.421 | 33608 | 1190.255 | 32284 | 1339.514 | 32508 | 1484.324 | 30836 | 1624.81 | 28543 | 1761.099 | 24293 | 1893.317 | 22164 |
| 879.142 | 32011 | 1037.641 | 33680 | 1191.439 | 32455 | 1340.663 | 32719 | 1485.438 | 30463 | 1625.891 | 28195 | 1762.148 | 24199 | 1894.334 | 22107 |
| 880.3988 | 32144 | 1038.86 | 33792 | 1192.622 | 32275 | 1341.811 | 33052 | 1486.552 | 30563 | 1626.972 | 28106 | 1763.196 | 24335 | 1895.351 | 22048 |
| 881.6553 | 32185 | 1040.08 | 33635 | 1193.805 | 32383 | 1342.959 | 32881 | 1487.666 | 30299 | 1628.052 | 28366 | 1764.244 | 24399 | 1896.368 | 22094 |
| 882.9115 | 32240 | 1041.299 | 33784 | 1194.988 | 32496 | 1344.106 | 32807 | 1488.779 | 30425 | 1629.132 | 28328 | 1765.292 | 24255 | 1897.384 | 21931 |
| 884.1675 | 32122 | 1042.517 | 33877 | 1196.171 | 32422 | 1345.254 | 32956 | 1489.892 | 30454 | 1630.212 | 28224 | 1766.339 | 24302 | 1898.4 | 21770 |
| 885.4231 | 32142 | 1043.736 | 33937 | 1197.353 | 32254 | 1346.401 | 33169 | 1491.005 | 30294 | 1631.292 | 28067 | 1767.387 | 24563 | 1899.417 | 21747 |
| 886.6785 | 32253 | 1044.954 | 34207 | 1198.535 | 32290 | 1347.547 | 32980 | 1492.117 | 30424 | 1632.371 | 27947 | 1768.434 | 24432 | 1900.432 | 21901 |
| 887.9335 | 32403 | 1046.172 | 34210 | 1199.717 | 32347 | 1348.694 | 33389 | 1493.23 | 30336 | 1633.45 | 28015 | 1769.481 | 24293 | 1901.448 | 22013 |
| 889.1882 | 32518 | 1047.389 | 34156 | 1200.898 | 32264 | 1349.84 | 33436 | 1494.342 | 30267 | 1634.529 | 27808 | 1770.527 | 24365 | 1902.463 | 21976 |
| 890.4427 | 32505 | 1048.607 | 34389 | 1202.079 | 32276 | 1350.986 | 33592 | 1495.453 | 30129 | 1635.607 | 27747 | 1771.574 | 24296 | 1903.478 | 22069 |
| 891.6969 | 32499 | 1049.824 | 34395 | 1203.26 | 32161 | 1352.132 | 33998 | 1496.565 | 30385 | 1636.686 | 27918 | 1772.62 | 24286 | 1904.493 | 21953 |
| 892.9507 | 32560 | 1051.04 | 34423 | 1204.441 | 32496 | 1353.277 | 34239 | 1497.676 | 30141 | 1637.764 | 27649 | 1773.666 | 24381 | 1905.508 | 22180 |
| 894.2043 | 32592 | 1052.257 | 34927 | 1205.621 | 32343 | 1354.422 | 34254 | 1498.787 | 29822 | 1638.841 | 27624 | 1774.711 | 24479 | 1906.522 | 22081 |
| 895.4576 | 32405 | 1053.473 | 34874 | 1206.801 | 32379 | 1355.567 | 34774 | 1499.898 | 30015 | 1639.919 | 27831 | 1775.756 | 24517 | 1907.536 | 22080 |
| 896.7106 | 32323 | 1054.689 | 35213 | 1207.981 | 32285 | 1356.712 | 34993 | 1501.008 | 30039 | 1640.996 | 27746 | 1776.802 | 24362 | 1908.55 | 21919 |
| 897.9633 | 32103 | 1055.905 | 35499 | 1209.16 | 32365 | 1357.856 | 35276 | 1502.119 | 29878 | 1642.073 | 27703 | 1777.846 | 24439 | 1909.564 | 21919 |
| 899.2157 | 32024 | 1057.12 | 35893 | 1210.339 | 32398 | 1359 | 35979 | 1503.228 | 29798 | 1643.15 | 27621 | 1778.891 | 24207 | 1910.577 | 21935 |
| 900.4678 | 32076 | 1058.335 | 36396 | 1211.518 | 32541 | 1360.144 | 36504 | 1504.338 | 29744 | 1644.227 | 27684 | 1779.935 | 24382 | 1911.59 | 21884 |
| 901.7196 | 32245 | 1059.55 | 37367 | 1212.697 | 32672 | 1361.288 | 36488 | 1505.448 | 29680 | 1645.303 | 27442 | 1780.979 | 24330 | 1912.603 | 21887 |
| 902.9711 | 31963 | 1060.764 | 38104 | 1213.875 | 32650 | 1362.431 | 36953 | 1506.557 | 29378 | 1646.379 | 27585 | 1782.023 | 24139 | 1913.616 | 21725 |
| 904.2223 | 31858 | 1061.978 | 38924 | 1215.053 | 32584 | 1363.574 | 37455 | 1507.666 | 29575 | 1647.455 | 27623 | 1783.067 | 24155 | 1914.628 | 21657 |
| 905.4733 | 32012 | 1063.192 | 39965 | 1216.231 | 32684 | 1364.717 | 37662 | 1508.774 | 29453 | 1648.53 | 27493 | 1784.11 | 24342 | 1915.641 | 21637 |
| 906.7239 | 31899 | 1064.406 | 41292 | 1217.409 | 32818 | 1365.859 | 38123 | 1509.883 | 29598 | 1649.605 | 27521 | 1785.153 | 24298 | 1916.653 | 21310 |
| 907.9743 | 31927 | 1065.619 | 42989 | 1218.586 | 32968 | 1367.001 | 38384 | 1510.991 | 29712 | 1650.68 | 27376 | 1786.196 | 24155 | 1917.664 | 21429 |
| 909.2243 | 31840 | 1066.832 | 45090 | 1219.763 | 33033 | 1368.143 | 39212 | 1512.098 | 29814 | 1651.755 | 27137 | 1787.239 | 23921 | 1918.676 | 21496 |
| 910.4741 | 31866 | 1068.045 | 47676 | 1220.94 | 32996 | 1369.285 | 38962 | 1513.206 | 29770 | 1652.83 | 27384 | 1788.281 | 23885 | 1919.687 | 21503 |
| 911.7235 | 31833 | 1069.257 | 51142 | 1222.116 | 32952 | 1370.426 | 39429 | 1514.313 | 29928 | 1653.904 | 27415 | 1789.323 | 23968 | 1920.698 | 21398 |
| 912.9727 | 31699 | 1070.469 | 54777 | 1223.292 | 32985 | 1371.567 | 39648 | 1515.42 | 29781 | 1654.978 | 27323 | 1790.365 | 23763 | 1921.709 | 21521 |
| 914.2216 | 31770 | 1071.681 | 58441 | 1224.468 | 33290 | 1372.708 | 39935 | 1516.527 | 29955 | 1656.051 | 27215 | 1791.407 | 23658 | 1922.719 | 21481 |
| 915.4702 | 31675 | 1072.893 | 61432 | 1225.644 | 33182 | 1373.849 | 40112 | 1517.634 | 29872 | 1657.125 | 27389 | 1792.448 | 23843 | 1923.73 | 21425 |
| 916.7185 | 31817 | 1074.104 | 64014 | 1226.819 | 33390 | 1374.989 | 40368 | 1518.74 | 29951 | 1658.198 | 27235 | 1793.489 | 23686 | 1924.74 | 21359 |
| 917.9665 | 31635 | 1075.315 | 65289 | 1227.994 | 33720 | 1376.129 | 40291 | 1519.846 | 29819 | 1659.271 | 27104 | 1794.53 | 23676 | 1925.75 | 21219 |
| 919.2142 | 31892 | 1076.526 | 65559 | 1229.169 | 34117 | 1377.269 | 40675 | 1520.952 | 29981 | 1660.344 | 27310 | 1795.571 | 23777 | 1926.759 | 21484 |
| 920.4616 | 31911 | 1077.736 | 64021 | 1230.343 | 34228 | 1378.408 | 40560 | 1522.057 | 30136 | 1661.416 | 27344 | 1796.611 | 23586 | 1927.769 | 21683 |
| 921.7087 | 31794 | 1078.946 | 61507 | 1231.517 | 34468 | 1379.547 | 40978 | 1523.162 | 30064 | 1662.488 | 27382 | 1797.651 | 23588 | 1928.778 | 21747 |
| 922.9556 | 31906 | 1080.156 | 58225 | 1232.691 | 34659 | 1380.686 | 40724 | 1524.267 | 29989 | 1663.56 | 27040 | 1798.691 | 23740 | 1929.787 | 21551 |
| 924.2021 | 31756 | 1081.366 | 54815 | 1233.865 | 35118 | 1381.825 | 40640 | 1525.372 | 30059 | 1664.632 | 27142 | 1799.731 | 23514 | 1930.795 | 21726 |
| 925.4483 | 31863 | 1082.575 | 50945 | 1235.038 | 35338 | 1382.963 | 40389 | 1526.476 | 29950 | 1665.703 | 27297 | 1800.77 | 23472 | 1931.804 | 21590 |
| 926.6943 | 31651 | 1083.784 | 47390 | 1236.211 | 35573 | 1384.101 | 40431 | 1527.58 | 29770 | 1666.775 | 27009 | 1801.81 | 23557 | 1932.812 | 21559 |
| 927.94 | 31663 | 1084.993 | 43995 | 1237.384 | 35853 | 1385.239 | 40317 | 1528.684 | 29956 | 1667.845 | 27123 | 1802.849 | 23483 | 1933.82 | 21645 |
| 929.1853 | 31729 | 1086.202 | 41263 | 1238.557 | 36238 | 1386.377 | 40097 | 1529.788 | 29929 | 1668.916 | 27155 | 1803.887 | 23630 | 1934.827 | 21636 |
| 930.4304 | 31648 | 1087.41 | 39486 | 1239.729 | 36397 | 1387.514 | 39971 | 1530.891 | 29734 | 1669.987 | 27148 | 1804.926 | 23541 | 1935.835 | 21531 |
| 931.6752 | 31877 | 1088.618 | 37498 | 1240.901 | 36175 | 1388.651 | 39558 | 1531.994 | 29831 | 1671.057 | 26780 | 1805.964 | 23534 | 1936.842 | 21527 |
| 932.9197 | 31615 | 1089.825 | 36657 | 1242.073 | 36200 | 1389.788 | 39385 | 1533.097 | 29862 | 1672.127 | 27159 | 1807.002 | 23573 | 1937.849 | 21533 |
| 934.1639 | 31761 | 1091.033 | 35765 | 1243.244 | 36421 | 1390.925 | 39164 | 1534.2 | 29871 | 1673.196 | 26916 | 1808.039 | 23693 | 1938.856 | 21375 |
| 935.4078 | 31644 | 1092.24 | 35202 | 1244.415 | 36216 | 1392.061 | 39097 | 1535.302 | 29813 | 1674.266 | 26968 | 1809.077 | 23774 | 1939.862 | 21471 |
| 936.6514 | 31658 | 1093.446 | 34641 | 1245.586 | 35783 | 1393.197 | 38500 | 1536.404 | 30017 | 1675.335 | 26867 | 1810.114 | 23715 | 1940.868 | 21359 |
| 937.8947 | 31932 | 1094.653 | 34355 | 1246.757 | 35628 | 1394.332 | 38193 | 1537.506 | 30131 | 1676.404 | 27238 | 1811.151 | 23705 | 1941.874 | 21429 |
| 939.1378 | 31672 | 1095.859 | 34191 | 1247.927 | 35304 | 1395.468 | 37763 | 1538.608 | 30238 | 1677.472 | 27196 | 1812.188 | 23641 | 1942.88 | 21391 |
| 940.3805 | 31676 | 1097.065 | 34076 | 1249.097 | 35209 | 1396.603 | 37285 | 1539.709 | 30318 | 1678.541 | 27088 | 1813.224 | 23585 | 1943.886 | 21371 |
| 941.623 | 31825 | 1098.27 | 33826 | 1250.267 | 34797 | 1397.738 | 36798 | 1540.81 | 30287 | 1679.609 | 27091 | 1814.26 | 23553 | 1944.891 | 21338 |
| 942.8651 | 31658 | 1099.476 | 33539 | 1251.436 | 34544 | 1398.873 | 36130 | 1541.911 | 30162 | 1680.677 | 27080 | 1815.296 | 23624 | 1945.896 | 21362 |
| 944.107 | 31821 | 1100.681 | 33754 | 1252.606 | 34145 | 1400.007 | 35574 | 1543.011 | 30294 | 1681.744 | 27038 | 1816.332 | 23683 | 1946.901 | 21376 |

Applied potential: 0.00 V-2



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 28966 | 945.3486 | 29502 | 1101.886 | 30736 | 1253.774 | 31415 | 1401.141 | 31951 | 1544.112 | 27737 | 1682.812 | 24479 | 1817.368 | 21492 |
| 785.3164 | 29538 | 946.5899 | 29421 | 1103.09 | 31122 | 1254.943 | 31533 | 1402.275 | 31649 | 1545.211 | 27668 | 1683.879 | 24405 | 1818.403 | 21338 |
| 786.5952 | 29484 | 947.8308 | 29518 | 1104.294 | 30962 | 1256.112 | 31430 | 1403.408 | 31179 | 1546.311 | 27849 | 1684.946 | 24605 | 1819.438 | 21236 |
| 787.8737 | 29718 | 949.0715 | 29754 | 1105.498 | 30824 | 1257.28 | 31705 | 1404.542 | 30916 | 1547.411 | 27734 | 1686.012 | 24632 | 1820.473 | 21215 |
| 789.1519 | 29666 | 950.312 | 29829 | 1106.702 | 30952 | 1258.447 | 31584 | 1405.675 | 30659 | 1548.51 | 27987 | 1687.079 | 24481 | 1821.507 | 21185 |
| 790.4297 | 29495 | 951.5521 | 29848 | 1107.905 | 30840 | 1259.615 | 31782 | 1406.808 | 30421 | 1549.609 | 28104 | 1688.145 | 24748 | 1822.541 | 21273 |
| 791.7073 | 29273 | 952.7919 | 29796 | 1109.108 | 30972 | 1260.782 | 31933 | 1407.94 | 30196 | 1550.707 | 28455 | 1689.211 | 24635 | 1823.575 | 21178 |
| 792.9846 | 29515 | 954.0314 | 29769 | 1110.311 | 30707 | 1261.949 | 31973 | 1409.072 | 30233 | 1551.806 | 28419 | 1690.276 | 24789 | 1824.609 | 21082 |
| 794.2616 | 29730 | 955.2707 | 29819 | 1111.514 | 30805 | 1263.116 | 31947 | 1410.204 | 29968 | 1552.904 | 28542 | 1691.342 | 24752 | 1825.643 | 21065 |
| 795.5383 | 29501 | 956.5096 | 29879 | 1112.716 | 30566 | 1264.283 | 31891 | 1411.336 | 29814 | 1554.002 | 28450 | 1692.407 | 24881 | 1826.676 | 20941 |
| 796.8146 | 29574 | 957.7483 | 29819 | 1113.918 | 30493 | 1265.449 | 32015 | 1412.467 | 29870 | 1555.1 | 28503 | 1693.471 | 24905 | 1827.709 | 21264 |
| 798.0907 | 29578 | 958.9867 | 29817 | 1115.119 | 30418 | 1266.615 | 31886 | 1413.598 | 29740 | 1556.197 | 28946 | 1694.536 | 24949 | 1828.742 | 21106 |
| 799.3665 | 29523 | 960.2248 | 29988 | 1116.321 | 30582 | 1267.78 | 31940 | 1414.729 | 29834 | 1557.294 | 28798 | 1695.6 | 24913 | 1829.774 | 21212 |
| 800.642 | 29623 | 961.4626 | 29800 | 1117.522 | 30617 | 1268.946 | 31908 | 1415.86 | 29551 | 1558.391 | 29007 | 1696.664 | 25183 | 1830.807 | 21071 |
| 801.9172 | 29643 | 962.7001 | 29876 | 1118.723 | 30611 | 1270.111 | 31872 | 1416.99 | 29414 | 1559.488 | 29394 | 1697.728 | 25085 | 1831.839 | 21073 |
| 803.1921 | 29730 | 963.9373 | 29919 | 1119.923 | 30377 | 1271.275 | 32166 | 1418.12 | 29253 | 1560.584 | 29560 | 1698.792 | 25145 | 1832.87 | 21047 |
| 804.4667 | 29529 | 965.1742 | 30005 | 1121.123 | 30294 | 1272.44 | 32072 | 1419.25 | 29149 | 1561.68 | 29764 | 1699.855 | 25193 | 1833.902 | 20994 |
| 805.741 | 29795 | 966.4108 | 30174 | 1122.323 | 30425 | 1273.604 | 32121 | 1420.38 | 29163 | 1562.776 | 30437 | 1700.918 | 25014 | 1834.933 | 20841 |
| 807.015 | 29764 | 967.6472 | 30027 | 1123.523 | 30214 | 1274.768 | 32206 | 1421.509 | 29006 | 1563.871 | 30860 | 1701.981 | 25380 | 1835.964 | 20819 |
| 808.2887 | 29825 | 968.8832 | 29985 | 1124.722 | 30661 | 1275.932 | 32148 | 1422.638 | 28857 | 1564.967 | 32063 | 1703.044 | 25170 | 1836.995 | 20757 |
| 809.5621 | 29731 | 970.119 | 30051 | 1125.921 | 30519 | 1277.095 | 32130 | 1423.767 | 28808 | 1566.062 | 32901 | 1704.106 | 25098 | 1838.026 | 20745 |
| 810.8352 | 29826 | 971.3544 | 29883 | 1127.12 | 30715 | 1278.259 | 31994 | 1424.895 | 28843 | 1567.156 | 34162 | 1705.168 | 24964 | 1839.056 | 20589 |
| 812.108 | 29875 | 972.5896 | 30165 | 1128.319 | 30898 | 1279.421 | 32180 | 1426.023 | 28559 | 1568.251 | 35345 | 1706.23 | 24985 | 1840.086 | 20805 |
| 813.3805 | 29888 | 973.8245 | 30054 | 1129.517 | 31091 | 1280.584 | 32077 | 1427.151 | 28669 | 1569.345 | 36759 | 1707.291 | 24671 | 1841.116 | 20659 |
| 814.6527 | 29954 | 975.0591 | 29807 | 1130.715 | 31026 | 1281.746 | 32031 | 1428.279 | 28845 | 1570.439 | 38429 | 1708.353 | 24615 | 1842.146 | 20820 |
| 815.9246 | 30113 | 976.2934 | 29952 | 1131.913 | 30810 | 1282.908 | 31881 | 1429.407 | 28687 | 1571.533 | 39667 | 1709.414 | 24409 | 1843.175 | 20755 |
| 817.1962 | 30119 | 977.5274 | 30147 | 1133.11 | 30998 | 1284.07 | 32365 | 1430.534 | 28812 | 1572.626 | 40614 | 1710.475 | 24300 | 1844.204 | 20516 |
| 818.4675 | 30124 | 978.7612 | 30261 | 1134.307 | 31012 | 1285.232 | 32269 | 1431.661 | 28791 | 1573.72 | 41779 | 1711.535 | 24152 | 1845.233 | 20853 |
| 819.7385 | 29901 | 979.9946 | 30369 | 1135.504 | 31256 | 1286.393 | 32206 | 1432.787 | 28810 | 1574.813 | 42918 | 1712.596 | 24030 | 1846.262 | 20751 |
| 821.0093 | 30266 | 981.2278 | 30311 | 1136.701 | 31117 | 1287.554 | 32334 | 1433.913 | 28927 | 1575.905 | 45045 | 1713.656 | 24140 | 1847.29 | 20858 |
| 822.2797 | 30077 | 982.4606 | 30626 | 1137.897 | 31013 | 1288.715 | 32118 | 1435.04 | 28993 | 1576.998 | 47661 | 1714.715 | 23779 | 1848.318 | 20963 |
| 823.5498 | 30180 | 983.6932 | 30486 | 1139.093 | 31208 | 1289.875 | 32135 | 1436.165 | 28947 | 1578.09 | 50901 | 1715.775 | 23721 | 1849.346 | 20929 |
| 824.8196 | 30214 | 984.9255 | 30721 | 1140.289 | 30902 | 1291.035 | 32116 | 1437.291 | 28975 | 1579.182 | 54125 | 1716.834 | 23827 | 1850.374 | 20842 |
| 826.0892 | 30127 | 986.1575 | 30740 | 1141.484 | 30660 | 1292.195 | 32078 | 1438.416 | 29059 | 1580.274 | 56783 | 1717.893 | 23634 | 1851.401 | 20844 |
| 827.3584 | 30363 | 987.3892 | 30767 | 1142.679 | 30604 | 1293.355 | 32081 | 1439.541 | 29442 | 1581.365 | 58396 | 1718.952 | 23510 | 1852.428 | 20954 |
| 828.6273 | 30389 | 988.6206 | 30933 | 1143.874 | 30555 | 1294.514 | 31999 | 1440.666 | 29426 | 1582.456 | 58362 | 1720.011 | 23481 | 1853.455 | 20997 |
| 829.896 | 30235 | 989.8517 | 31066 | 1145.069 | 30327 | 1295.673 | 31833 | 1441.79 | 29614 | 1583.547 | 56453 | 1721.069 | 23504 | 1854.482 | 20925 |
| 831.1643 | 30268 | 991.0825 | 31398 | 1146.263 | 30170 | 1296.832 | 31773 | 1442.915 | 29521 | 1584.638 | 53303 | 1722.127 | 23492 | 1855.508 | 20992 |
| 832.4324 | 30192 | 992.3131 | 31676 | 1147.457 | 30136 | 1297.99 | 31859 | 1444.039 | 29417 | 1585.728 | 49268 | 1723.185 | 23400 | 1856.535 | 20801 |
| 833.7001 | 30273 | 993.5433 | 32701 | 1148.651 | 30164 | 1299.148 | 31560 | 1445.162 | 29441 | 1586.818 | 45149 | 1724.242 | 23307 | 1857.561 | 20796 |
| 834.9676 | 30472 | 994.7733 | 34299 | 1149.844 | 29994 | 1300.306 | 31611 | 1446.286 | 29572 | 1587.908 | 41331 | 1725.3 | 23177 | 1858.586 | 20722 |
| 836.2347 | 30506 | 996.003 | 36016 | 1151.037 | 30347 | 1301.464 | 31780 | 1447.409 | 29455 | 1588.998 | 37696 | 1726.357 | 23025 | 1859.612 | 20631 |
| 837.5016 | 30526 | 997.2324 | 37054 | 1152.23 | 30184 | 1302.621 | 31717 | 1448.532 | 29348 | 1590.087 | 35529 | 1727.414 | 23125 | 1860.637 | 20560 |
| 838.7682 | 30388 | 998.4615 | 36783 | 1153.423 | 30436 | 1303.779 | 31772 | 1449.654 | 29236 | 1591.176 | 33511 | 1728.47 | 22897 | 1861.662 | 20461 |
| 840.0344 | 30721 | 999.6903 | 36050 | 1154.615 | 30415 | 1304.935 | 31738 | 1450.777 | 29139 | 1592.265 | 32129 | 1729.526 | 22784 | 1862.687 | 20479 |
| 841.3004 | 30850 | 1000.919 | 34582 | 1155.807 | 30435 | 1306.092 | 31896 | 1451.899 | 29068 | 1593.354 | 31119 | 1730.582 | 22746 | 1863.711 | 20476 |
| 842.5661 | 30816 | 1002.147 | 33445 | 1156.999 | 30798 | 1307.248 | 31851 | 1453.021 | 29012 | 1594.442 | 30345 | 1731.638 | 22938 | 1864.736 | 20269 |
| 843.8315 | 30950 | 1003.375 | 32711 | 1158.191 | 30735 | 1308.404 | 31636 | 1454.142 | 29017 | 1595.53 | 29838 | 1732.694 | 22695 | 1865.76 | 20448 |
| 845.0965 | 31197 | 1004.603 | 32335 | 1159.382 | 30532 | 1309.56 | 31591 | 1455.263 | 28977 | 1596.618 | 29299 | 1733.749 | 22807 | 1866.783 | 20316 |
| 846.3613 | 31042 | 1005.83 | 32275 | 1160.573 | 30747 | 1310.716 | 31687 | 1456.384 | 28984 | 1597.705 | 28927 | 1734.804 | 22703 | 1867.807 | 20159 |
| 847.6258 | 31113 | 1007.057 | 32231 | 1161.763 | 30508 | 1311.871 | 31487 | 1457.505 | 28997 | 1598.793 | 28693 | 1735.859 | 22771 | 1868.83 | 20273 |
| 848.89 | 31329 | 1008.284 | 32078 | 1162.954 | 30527 | 1313.026 | 31623 | 1458.626 | 28742 | 1599.88 | 28318 | 1736.913 | 22816 | 1869.853 | 20198 |
| 850.1539 | 31302 | 1009.51 | 32097 | 1164.144 | 30799 | 1314.18 | 31656 | 1459.746 | 28718 | 1600.966 | 28014 | 1737.968 | 22776 | 1870.876 | 20384 |
| 851.4175 | 31249 | 1010.737 | 31824 | 1165.334 | 30689 | 1315.335 | 31416 | 1460.866 | 28834 | 1602.053 | 27945 | 1739.022 | 22686 | 1871.899 | 20321 |
| 852.6808 | 31122 | 1011.963 | 31939 | 1166.523 | 30885 | 1316.489 | 31356 | 1461.986 | 28862 | 1603.139 | 27730 | 1740.076 | 22522 | 1872.921 | 20321 |
| 853.9438 | 31273 | 1013.188 | 31852 | 1167.713 | 30804 | 1317.643 | 31192 | 1463.105 | 29000 | 1604.225 | 27607 | 1741.129 | 22642 | 1873.943 | 20299 |
| 855.2065 | 31115 | 1014.414 | 31785 | 1168.902 | 31140 | 1318.796 | 31086 | 1464.224 | 29050 | 1605.311 | 27490 | 1742.182 | 22607 | 1874.965 | 20323 |
| 856.469 | 31054 | 1015.639 | 31878 | 1170.09 | 31415 | 1319.95 | 31080 | 1465.343 | 29223 | 1606.396 | 27269 | 1743.235 | 22486 | 1875.986 | 20182 |
| 857.7311 | 31056 | 1016.863 | 31629 | 1171.279 | 31749 | 1321.103 | 30564 | 1466.462 | 29545 | 1607.482 | 27271 | 1744.288 | 22364 | 1877.008 | 20512 |
| 858.9929 | 30825 | 1018.088 | 32441 | 1172.467 | 31855 | 1322.255 | 30794 | 1467.58 | 29320 | 1608.567 | 27283 | 1745.341 | 22391 | 1878.029 | 20461 |
| 860.2544 | 30782 | 1019.312 | 32558 | 1173.655 | 32133 | 1323.408 | 30614 | 1468.698 | 29474 | 1609.651 | 27404 | 1746.393 | 22445 | 1879.05 | 20412 |
| 861.5157 | 30764 | 1020.536 | 33477 | 1174.842 | 32309 | 1324.56 | 30622 | 1469.816 | 29616 | 1610.736 | 27189 | 1747.445 | 22392 | 1880.07 | 20331 |
| 862.7766 | 30758 | 1021.76 | 33484 | 1176.029 | 32389 | 1325.712 | 30369 | 1470.934 | 29639 | 1611.82 | 27143 | 1748.497 | 22248 | 1881.091 | 20167 |
| 864.0373 | 30866 | 1022.983 | 33281 | 1177.216 | 32316 | 1326.864 | 30319 | 1472.051 | 29709 | 1612.904 | 27053 | 1749.548 | 22348 | 1882.111 | 20153 |
| 865.2976 | 30682 | 1024.206 | 32987 | 1178.403 | 32290 | 1328.015 | 30486 | 1473.168 | 29447 | 1613.987 | 26771 | 1750.6 | 22222 | 1883.131 | 19876 |
| 866.5577 | 30554 | 1025.429 | 32198 | 1179.59 | 31913 | 1329.166 | 30504 | 1474.285 | 29933 | 1615.071 | 26734 | 1751.651 | 22230 | 1884.151 | 20050 |
| 867.8174 | 30352 | 1026.651 | 31580 | 1180.776 | 31617 | 1330.317 | 30327 | 1475.401 | 29726 | 1616.154 | 26829 | 1752.702 | 22179 | 1885.17 | 19987 |
| 869.0769 | 30510 | 1027.873 | 31396 | 1181.962 | 31184 | 1331.468 | 30329 | 1476.518 | 29846 | 1617.237 | 26927 | 1753.752 | 22239 | 1886.189 | 20119 |
| 870.3361 | 30245 | 1029.095 | 31126 | 1183.147 | 30886 | 1332.618 | 30285 | 1477.633 | 29845 | 1618.32 | 26861 | 1754.803 | 22208 | 1887.208 | 20252 |
| 871.5949 | 30214 | 1030.317 | 31061 | 1184.333 | 30643 | 1333.768 | 30380 | 1478.749 | 29820 | 1619.402 | 26947 | 1755.853 | 22101 | 1888.227 | 20405 |
| 872.8535 | 30061 | 1031.538 | 30930 | 1185.518 | 30282 | 1334.918 | 30265 | 1479.865 | 29582 | 1620.484 | 26813 | 1756.902 | 21969 | 1889.245 | 20239 |
| 874.1118 | 30216 | 1032.759 | 30950 | 1186.702 | 30202 | 1336.067 | 30108 | 1480.98 | 29638 | 1621.566 | 26829 | 1757.952 | 21997 | 1890.263 | 20351 |
| 875.3698 | 30122 | 1033.98 | 31018 | 1187.887 | 29886 | 1337.217 | 30061 | 1482.095 | 29276 | 1622.648 | 26757 | 1759.001 | 22173 | 1891.281 | 20255 |
| 876.6275 | 30021 | 1035.201 | 30995 | 1189.071 | 29792 | 1338.366 | 30284 | 1483.209 | 29395 | 1623.729 | 26535 | 1760.05 | 22123 | 1892.299 | 20148 |
| 877.8849 | 29983 | 1036.421 | 31252 | 1190.255 | 29949 | 1339.514 | 30162 | 1484.324 | 28945 | 1624.81 | 26696 | 1761.099 | 22098 | 1893.317 | 20064 |
| 879.142 | 30116 | 1037.641 | 31011 | 1191.439 | 30006 | 1340.663 | 30300 | 1485.438 | 28878 | 1625.891 | 26597 | 1762.148 | 22270 | 1894.334 | 19952 |
| 880.3988 | 29941 | 1038.86 | 31296 | 1192.622 | 29945 | 1341.811 | 30158 | 1486.552 | 28917 | 1626.972 | 26617 | 1763.196 | 22170 | 1895.351 | 20108 |
| 881.6553 | 29856 | 1040.08 | 31038 | 1193.805 | 29707 | 1342.959 | 30156 | 1487.666 | 28826 | 1628.052 | 26492 | 1764.244 | 22213 | 1896.368 | 19932 |
| 882.9115 | 29708 | 1041.299 | 31183 | 1194.988 | 29719 | 1344.106 | 30373 | 1488.779 | 28573 | 1629.132 | 26299 | 1765.292 | 22034 | 1897.384 | 20029 |
| 884.1675 | 30097 | 1042.517 | 31286 | 1196.171 | 29838 | 1345.254 | 30415 | 1489.892 | 28585 | 1630.212 | 26246 | 1766.339 | 22015 | 1898.4 | 19801 |
| 885.4231 | 30112 | 1043.736 | 31311 | 1197.353 | 29815 | 1346.401 | 30607 | 1491.005 | 28452 | 1631.292 | 26264 | 1767.387 | 22182 | 1899.417 | 19900 |
| 886.6785 | 30185 | 1044.954 | 31366 | 1198.535 | 29707 | 1347.547 | 30650 | 1492.117 | 28235 | 1632.371 | 26136 | 1768.434 | 22149 | 1900.432 | 19973 |
| 887.9335 | 30109 | 1046.172 | 31359 | 1199.717 | 29754 | 1348.694 | 30698 | 1493.23 | 28539 | 1633.45 | 26099 | 1769.481 | 22154 | 1901.448 | 19909 |
| 889.1882 | 30259 | 1047.389 | 31486 | 1200.898 | 29758 | 1349.84 | 30875 | 1494.342 | 28408 | 1634.529 | 26230 | 1770.527 | 22162 | 1902.463 | 20045 |
| 890.4427 | 30196 | 1048.607 | 31675 | 1202.079 | 29647 | 1350.986 | 31213 | 1495.453 | 28262 | 1635.607 | 26018 | 1771.574 | 22054 | 1903.478 | 19942 |
| 891.6969 | 30436 | 1049.824 | 31638 | 1203.26 | 29641 | 1352.132 | 31399 | 1496.565 | 28037 | 1636.686 | 26087 | 1772.62 | 22021 | 1904.493 | 20028 |
| 892.9507 | 30125 | 1051.04 | 31808 | 1204.441 | 29710 | 1353.277 | 31229 | 1497.676 | 27873 | 1637.764 | 26019 | 1773.666 | 22134 | 1905.508 | 19984 |
| 894.2043 | 30280 | 1052.257 | 32010 | 1205.621 | 29972 | 1354.422 | 31447 | 1498.787 | 28023 | 1638.841 | 25718 | 1774.711 | 22357 | 1906.522 | 20140 |
| 895.4576 | 30322 | 1053.473 | 31952 | 1206.801 | 29768 | 1355.567 | 31613 | 1499.898 | 27849 | 1639.919 | 25718 | 1775.756 | 22191 | 1907.536 | 20233 |
| 896.7106 | 30191 | 1054.689 | 32115 | 1207.981 | 29749 | 1356.712 | 31809 | 1501.008 | 27906 | 1640.996 | 25914 | 1776.802 | 22100 | 1908.55 | 19940 |
| 897.9633 | 30150 | 1055.905 | 32443 | 1209.16 | 29900 | 1357.856 | 31936 | 1502.119 | 27691 | 1642.073 | 25543 | 1777.846 | 22187 | 1909.564 | 20002 |
| 899.2157 | 30117 | 1057.12 | 32892 | 1210.339 | 30048 | 1359 | 32213 | 1503.228 | 27775 | 1643.15 | 25456 | 1778.891 | 22132 | 1910.577 | 19987 |
| 900.4678 | 30068 | 1058.335 | 33427 | 1211.518 | 29999 | 1360.144 | 32437 | 1504.338 | 27498 | 1644.227 | 25391 | 1779.935 | 22209 | 1911.59 | 19812 |
| 901.7196 | 30027 | 1059.55 | 33761 | 1212.697 | 30036 | 1361.288 | 32988 | 1505.448 | 27424 | 1645.303 | 25345 | 1780.979 | 22014 | 1912.603 | 19899 |
| 902.9711 | 29981 | 1060.764 | 34133 | 1213.875 | 30107 | 1362.431 | 33191 | 1506.557 | 27518 | 1646.379 | 25385 | 1782.023 | 22003 | 1913.616 | 19852 |
| 904.2223 | 30024 | 1061.978 | 34906 | 1215.053 | 30170 | 1363.574 | 33531 | 1507.666 | 27459 | 1647.455 | 25136 | 1783.067 | 22068 | 1914.628 | 19643 |
| 905.4733 | 29881 | 1063.192 | 35525 | 1216.231 | 30306 | 1364.717 | 34077 | 1508.774 | 27137 | 1648.53 | 25003 | 1784.11 | 21851 | 1915.641 | 19772 |
| 906.7239 | 29954 | 1064.406 | 36727 | 1217.409 | 30386 | 1365.859 | 34397 | 1509.883 | 27611 | 1649.605 | 25137 | 1785.153 | 22002 | 1916.653 | 19577 |
| 907.9743 | 29987 | 1065.619 | 38081 | 1218.586 | 30244 | 1367.001 | 34711 | 1510.991 | 27316 | 1650.68 | 24798 | 1786.196 | 21739 | 1917.664 | 19646 |
| 909.2243 | 29907 | 1066.832 | 39323 | 1219.763 | 30572 | 1368.143 | 34999 | 1512.098 | 27614 | 1651.755 | 25021 | 1787.239 | 21581 | 1918.676 | 19553 |
| 910.4741 | 29863 | 1068.045 | 41211 | 1220.94 | 30312 | 1369.285 | 35143 | 1513.206 | 27793 | 1652.83 | 24906 | 1788.281 | 21839 | 1919.687 | 19582 |
| 911.7235 | 29809 | 1069.257 | 43560 | 1222.116 | 30529 | 1370.426 | 35185 | 1514.313 | 27784 | 1653.904 | 24981 | 1789.323 | 21767 | 1920.698 | 19494 |
| 912.9727 | 29643 | 1070.469 | 46367 | 1223.292 | 30605 | 1371.567 | 35197 | 1515.42 | 27838 | 1654.978 | 24853 | 1790.365 | 21653 | 1921.709 | 19454 |
| 914.2216 | 29869 | 1071.681 | 49029 | 1224.468 | 30598 | 1372.708 | 35496 | 1516.527 | 27986 | 1656.051 | 24794 | 1791.407 | 21482 | 1922.719 | 19336 |
| 915.4702 | 29601 | 1072.893 | 51825 | 1225.644 | 30638 | 1373.849 | 35682 | 1517.634 | 27946 | 1657.125 | 24695 | 1792.448 | 21679 | 1923.73 | 19415 |
| 916.7185 | 29839 | 1074.104 | 54166 | 1226.819 | 30757 | 1374.989 | 35575 | 1518.74 | 27924 | 1658.198 | 24640 | 1793.489 | 21521 | 1924.74 | 19420 |
| 917.9665 | 29954 | 1075.315 | 55747 | 1227.994 | 30902 | 1376.129 | 35539 | 1519.846 | 27872 | 1659.271 | 24644 | 1794.53 | 21556 | 1925.75 | 19600 |
| 919.2142 | 29762 | 1076.526 | 56325 | 1229.169 | 30836 | 1377.269 | 35888 | 1520.952 | 28104 | 1660.344 | 24593 | 1795.571 | 21485 | 1926.759 | 19584 |
| 920.4616 | 29739 | 1077.736 | 56076 | 1230.343 | 30885 | 1378.408 | 35745 | 1522.057 | 27874 | 1661.416 | 24863 | 1796.611 | 21538 | 1927.769 | 19705 |
| 921.7087 | 29632 | 1078.946 | 55074 | 1231.517 | 31020 | 1379.547 | 35811 | 1523.162 | 27835 | 1662.488 | 24839 | 1797.651 | 21562 | 1928.778 | 19715 |
| 922.9556 | 29833 | 1080.156 | 53369 | 1232.691 | 31326 | 1380.686 | 35812 | 1524.267 | 28025 | 1663.56 | 24760 | 1798.691 | 21600 | 1929.787 | 19596 |
| 924.2021 | 29747 | 1081.366 | 50440 | 1233.865 | 31342 | 1381.825 | 35665 | 1525.372 | 27943 | 1664.632 | 24470 | 1799.731 | 21519 | 1930.795 | 19711 |
| 925.4483 | 29783 | 1082.575 | 47205 | 1235.038 | 31572 | 1382.963 | 35909 | 1526.476 | 27756 | 1665.703 | 24636 | 1800.77 | 21591 | 1931.804 | 19740 |
| 926.6943 | 29634 | 1083.784 | 44640 | 1236.211 | 31811 | 1384.101 | 35775 | 1527.58 | 27623 | 1666.775 | 24441 | 1801.81 | 21528 | 1932.812 | 19735 |
| 927.94 | 29537 | 1084.993 | 41557 | 1237.384 | 32198 | 1385.239 | 35525 | 1528.684 | 27672 | 1667.845 | 24673 | 1802.849 | 21451 | 1933.82 | 19597 |
| 929.1853 | 29425 | 1086.202 | 38798 | 1238.557 | 32158 | 1386.377 | 35539 | 1529.788 | 27634 | 1668.916 | 24538 | 1803.887 | 21513 | 1934.827 | 19609 |
| 930.4304 | 29528 | 1087.41 | 37057 | 1239.729 | 32365 | 1387.514 | 35587 | 1530.891 | 27796 | 1669.987 | 24217 | 1804.926 | 21549 | 1935.835 | 19648 |
| 931.6752 | 29490 | 1088.618 | 35428 | 1240.901 | 32729 | 1388.651 | 35295 | 1531.994 | 27677 | 1671.057 | 24517 | 1805.964 | 21538 | 1936.842 | 19488 |
| 932.9197 | 29426 | 1089.825 | 34211 | 1242.073 | 32474 | 1389.788 | 35418 | 1533.097 | 27646 | 1672.127 | 24394 | 1807.002 | 21416 | 1937.849 | 19465 |
| 934.1639 | 29624 | 1091.033 | 33173 | 1243.244 | 32644 | 1390.925 | 35269 | 1534.2 | 27694 | 1673.196 | 24349 | 1808.039 | 21730 | 1938.856 | 19428 |
| 935.4078 | 29676 | 1092.24 | 32641 | 1244.415 | 32521 | 1392.061 | 35308 | 1535.302 | 27811 | 1674.266 | 24581 | 1809.077 | 21448 | 1939.862 | 19596 |
| 936.6514 | 29539 | 1093.446 | 32294 | 1245.586 | 32369 | 1393.197 | 34893 | 1536.404 | 27726 | 1675.335 | 24496 | 1810.114 | 21618 | 1940.868 | 19387 |
| 937.8947 | 29554 | 1094.653 | 31714 | 1246.757 | 32275 | 1394.332 | 34510 | 1537.506 | 27872 | 1676.404 | 24571 | 1811.151 | 21408 | 1941.874 | 19589 |
| 939.1378 | 29674 | 1095.859 | 31492 | 1247.927 | 32244 | 1395.468 | 34322 | 1538.608 | 27844 | 1677.472 | 24427 | 1812.188 | 21457 | 1942.88 | 19733 |
| 940.3805 | 29654 | 1097.065 | 31502 | 1249.097 | 32082 | 1396.603 | 33862 | 1539.709 | 27693 | 1678.541 | 24434 | 1813.224 | 21434 | 1943.886 | 19478 |
| 941.623 | 29691 | 1098.27 | 31309 | 1250.267 | 31797 | 1397.738 | 33541 | 1540.81 | 27749 | 1679.609 | 24516 | 1814.26 | 21426 | 1944.891 | 19579 |
| 942.8651 | 29759 | 1099.476 | 31200 | 1251.436 | 31526 | 1398.873 | 32794 | 1541.911 | 27728 | 1680.677 | 24540 | 1815.296 | 21338 | 1945.896 | 19517 |
| 944.107 | 29652 | 1100.681 | 30871 | 1252.606 | 31301 | 1400.007 | 32287 | 1543.011 | 27675 | 1681.744 | 24658 | 1816.332 | 21290 | 1946.901 | 19585 |

Applied potential: 0.00 V-3



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 29331 | 945.3486 | 29665 | 1101.886 | 30871 | 1253.774 | 32036 | 1401.141 | 32306 | 1544.112 | 28236 | 1682.812 | 25624 | 1817.368 | 22374 |
| 785.3164 | 29893 | 946.5899 | 29782 | 1103.09 | 30885 | 1254.943 | 32006 | 1402.275 | 31893 | 1545.211 | 28480 | 1683.879 | 25468 | 1818.403 | 22237 |
| 786.5952 | 29685 | 947.8308 | 29798 | 1104.294 | 30999 | 1256.112 | 31962 | 1403.408 | 31627 | 1546.311 | 28239 | 1684.946 | 25407 | 1819.438 | 22255 |
| 787.8737 | 29749 | 949.0715 | 29818 | 1105.498 | 30671 | 1257.28 | 32336 | 1404.542 | 31444 | 1547.411 | 28688 | 1686.012 | 25732 | 1820.473 | 22305 |
| 789.1519 | 29829 | 950.312 | 30063 | 1106.702 | 30894 | 1258.447 | 32445 | 1405.675 | 31173 | 1548.51 | 28502 | 1687.079 | 25652 | 1821.507 | 22230 |
| 790.4297 | 29967 | 951.5521 | 29764 | 1107.905 | 30824 | 1259.615 | 32390 | 1406.808 | 30917 | 1549.609 | 28918 | 1688.145 | 25958 | 1822.541 | 22088 |
| 791.7073 | 29722 | 952.7919 | 29890 | 1109.108 | 30754 | 1260.782 | 32539 | 1407.94 | 30780 | 1550.707 | 29122 | 1689.211 | 25907 | 1823.575 | 22100 |
| 792.9846 | 29856 | 954.0314 | 30222 | 1110.311 | 30879 | 1261.949 | 32237 | 1409.072 | 30805 | 1551.806 | 29160 | 1690.276 | 25967 | 1824.609 | 22144 |
| 794.2616 | 29675 | 955.2707 | 29949 | 1111.514 | 30784 | 1263.116 | 32681 | 1410.204 | 30616 | 1552.904 | 29149 | 1691.342 | 25856 | 1825.643 | 22136 |
| 795.5383 | 29685 | 956.5096 | 29968 | 1112.716 | 30722 | 1264.283 | 32421 | 1411.336 | 30586 | 1554.002 | 28988 | 1692.407 | 26093 | 1826.676 | 22121 |
| 796.8146 | 29946 | 957.7483 | 29895 | 1113.918 | 30659 | 1265.449 | 32241 | 1412.467 | 30595 | 1555.1 | 29363 | 1693.471 | 26128 | 1827.709 | 21912 |
| 798.0907 | 29776 | 958.9867 | 30076 | 1115.119 | 30565 | 1266.615 | 32553 | 1413.598 | 30479 | 1556.197 | 29204 | 1694.536 | 26346 | 1828.742 | 21981 |
| 799.3665 | 30007 | 960.2248 | 30024 | 1116.321 | 30394 | 1267.78 | 32597 | 1414.729 | 30497 | 1557.294 | 29432 | 1695.6 | 26442 | 1829.774 | 21994 |
| 800.642 | 29940 | 961.4626 | 30156 | 1117.522 | 30654 | 1268.946 | 32586 | 1415.86 | 30500 | 1558.391 | 29297 | 1696.664 | 26498 | 1830.807 | 21887 |
| 801.9172 | 29730 | 962.7001 | 30201 | 1118.723 | 30462 | 1270.111 | 32417 | 1416.99 | 30221 | 1559.488 | 29707 | 1697.728 | 26655 | 1831.839 | 21979 |
| 803.1921 | 29878 | 963.9373 | 30081 | 1119.923 | 30622 | 1271.275 | 32432 | 1418.12 | 30451 | 1560.584 | 30014 | 1698.792 | 26871 | 1832.87 | 21887 |
| 804.4667 | 29970 | 965.1742 | 30212 | 1121.123 | 30555 | 1272.44 | 32537 | 1419.25 | 29910 | 1561.68 | 29963 | 1699.855 | 26686 | 1833.902 | 21560 |
| 805.741 | 29554 | 966.4108 | 30090 | 1122.323 | 30396 | 1273.604 | 32638 | 1420.38 | 30052 | 1562.776 | 30378 | 1700.918 | 26957 | 1834.933 | 21542 |
| 807.015 | 30003 | 967.6472 | 30193 | 1123.523 | 30544 | 1274.768 | 32785 | 1421.509 | 29787 | 1563.871 | 31088 | 1701.981 | 26848 | 1835.964 | 21728 |
| 808.2887 | 29963 | 968.8832 | 30144 | 1124.722 | 30699 | 1275.932 | 32754 | 1422.638 | 29804 | 1564.967 | 31544 | 1703.044 | 26874 | 1836.995 | 21572 |
| 809.5621 | 30015 | 970.119 | 30272 | 1125.921 | 30801 | 1277.095 | 32747 | 1423.767 | 29730 | 1566.062 | 32378 | 1704.106 | 26789 | 1838.026 | 21549 |
| 810.8352 | 30088 | 971.3544 | 30107 | 1127.12 | 31105 | 1278.259 | 32762 | 1424.895 | 29646 | 1567.156 | 33177 | 1705.168 | 26606 | 1839.056 | 21518 |
| 812.108 | 30062 | 972.5896 | 30068 | 1128.319 | 31156 | 1279.421 | 32856 | 1426.023 | 29400 | 1568.251 | 34313 | 1706.23 | 26442 | 1840.086 | 21598 |
| 813.3805 | 30058 | 973.8245 | 30091 | 1129.517 | 31120 | 1280.584 | 32746 | 1427.151 | 29266 | 1569.345 | 35554 | 1707.291 | 26368 | 1841.116 | 21464 |
| 814.6527 | 30138 | 975.0591 | 30134 | 1130.715 | 31122 | 1281.746 | 33025 | 1428.279 | 29282 | 1570.439 | 37207 | 1708.353 | 26239 | 1842.146 | 21590 |
| 815.9246 | 30302 | 976.2934 | 30333 | 1131.913 | 31028 | 1282.908 | 32815 | 1429.407 | 29800 | 1571.533 | 38606 | 1709.414 | 25926 | 1843.175 | 21668 |
| 817.1962 | 30060 | 977.5274 | 30321 | 1133.11 | 31114 | 1284.07 | 32984 | 1430.534 | 29595 | 1572.626 | 39796 | 1710.475 | 25631 | 1844.204 | 21612 |
| 818.4675 | 30176 | 978.7612 | 30208 | 1134.307 | 31113 | 1285.232 | 32954 | 1431.661 | 29501 | 1573.72 | 41368 | 1711.535 | 25560 | 1845.233 | 21685 |
| 819.7385 | 30302 | 979.9946 | 30527 | 1135.504 | 31046 | 1286.393 | 33244 | 1432.787 | 29819 | 1574.813 | 42736 | 1712.596 | 25302 | 1846.262 | 21606 |
| 821.0093 | 30444 | 981.2278 | 30381 | 1136.701 | 31058 | 1287.554 | 32998 | 1433.913 | 29766 | 1575.905 | 44646 | 1713.656 | 25284 | 1847.29 | 21636 |
| 822.2797 | 30379 | 982.4606 | 30496 | 1137.897 | 31179 | 1288.715 | 33047 | 1435.04 | 29954 | 1576.998 | 47484 | 1714.715 | 25137 | 1848.318 | 21678 |
| 823.5498 | 30472 | 983.6932 | 30563 | 1139.093 | 30834 | 1289.875 | 33070 | 1436.165 | 29895 | 1578.09 | 50525 | 1715.775 | 24990 | 1849.346 | 21727 |
| 824.8196 | 30472 | 984.9255 | 30818 | 1140.289 | 30895 | 1291.035 | 32879 | 1437.291 | 30050 | 1579.182 | 53816 | 1716.834 | 24902 | 1850.374 | 21685 |
| 826.0892 | 30525 | 986.1575 | 30722 | 1141.484 | 30769 | 1292.195 | 32802 | 1438.416 | 29818 | 1580.274 | 56350 | 1717.893 | 24873 | 1851.401 | 21722 |
| 827.3584 | 30359 | 987.3892 | 30699 | 1142.679 | 30581 | 1293.355 | 32549 | 1439.541 | 30060 | 1581.365 | 57814 | 1718.952 | 24877 | 1852.428 | 21702 |
| 828.6273 | 30277 | 988.6206 | 30814 | 1143.874 | 30615 | 1294.514 | 32473 | 1440.666 | 30483 | 1582.456 | 57739 | 1720.011 | 24628 | 1853.455 | 21736 |
| 829.896 | 30597 | 989.8517 | 31109 | 1145.069 | 30430 | 1295.673 | 32576 | 1441.79 | 30515 | 1583.547 | 55299 | 1721.069 | 24636 | 1854.482 | 21668 |
| 831.1643 | 30591 | 991.0825 | 31048 | 1146.263 | 30118 | 1296.832 | 32563 | 1442.915 | 30553 | 1584.638 | 52052 | 1722.127 | 24514 | 1855.508 | 21574 |
| 832.4324 | 30554 | 992.3131 | 31586 | 1147.457 | 30088 | 1297.99 | 32367 | 1444.039 | 30452 | 1585.728 | 48099 | 1723.185 | 24498 | 1856.535 | 21845 |
| 833.7001 | 30488 | 993.5433 | 32069 | 1148.651 | 30095 | 1299.148 | 32672 | 1445.162 | 30444 | 1586.818 | 44253 | 1724.242 | 24292 | 1857.561 | 21643 |
| 834.9676 | 30434 | 994.7733 | 33539 | 1149.844 | 30084 | 1300.306 | 32609 | 1446.286 | 30558 | 1587.908 | 40215 | 1725.3 | 24283 | 1858.586 | 21597 |
| 836.2347 | 30643 | 996.003 | 35214 | 1151.037 | 29940 | 1301.464 | 32688 | 1447.409 | 30241 | 1588.998 | 37307 | 1726.357 | 24049 | 1859.612 | 21425 |
| 837.5016 | 30463 | 997.2324 | 36272 | 1152.23 | 30347 | 1302.621 | 32517 | 1448.532 | 30282 | 1590.087 | 35065 | 1727.414 | 24088 | 1860.637 | 21454 |
| 838.7682 | 30718 | 998.4615 | 36304 | 1153.423 | 30398 | 1303.779 | 32593 | 1449.654 | 30304 | 1591.176 | 33296 | 1728.47 | 23868 | 1861.662 | 21337 |
| 840.0344 | 30982 | 999.6903 | 35159 | 1154.615 | 30656 | 1304.935 | 32493 | 1450.777 | 30264 | 1592.265 | 31908 | 1729.526 | 23850 | 1862.687 | 21371 |
| 841.3004 | 30675 | 1000.919 | 33800 | 1155.807 | 30561 | 1306.092 | 32504 | 1451.899 | 30206 | 1593.354 | 30979 | 1730.582 | 23874 | 1863.711 | 21387 |
| 842.5661 | 30952 | 1002.147 | 33024 | 1156.999 | 30707 | 1307.248 | 32621 | 1453.021 | 30016 | 1594.442 | 30516 | 1731.638 | 23734 | 1864.736 | 21199 |
| 843.8315 | 30706 | 1003.375 | 32274 | 1158.191 | 30767 | 1308.404 | 32814 | 1454.142 | 29977 | 1595.53 | 29804 | 1732.694 | 23792 | 1865.76 | 21145 |
| 845.0965 | 30963 | 1004.603 | 32251 | 1159.382 | 30503 | 1309.56 | 32503 | 1455.263 | 29963 | 1596.618 | 29516 | 1733.749 | 23747 | 1866.783 | 21159 |
| 846.3613 | 31238 | 1005.83 | 31964 | 1160.573 | 30788 | 1310.716 | 32555 | 1456.384 | 29868 | 1597.705 | 29164 | 1734.804 | 23661 | 1867.807 | 21216 |
| 847.6258 | 31126 | 1007.057 | 31761 | 1161.763 | 30943 | 1311.871 | 32627 | 1457.505 | 29474 | 1598.793 | 28937 | 1735.859 | 23872 | 1868.83 | 21118 |
| 848.89 | 31487 | 1008.284 | 31910 | 1162.954 | 31076 | 1313.026 | 32543 | 1458.626 | 29575 | 1599.88 | 28625 | 1736.913 | 23840 | 1869.853 | 21138 |
| 850.1539 | 31638 | 1009.51 | 31690 | 1164.144 | 30882 | 1314.18 | 32401 | 1459.746 | 29485 | 1600.966 | 28479 | 1737.968 | 23493 | 1870.876 | 21236 |
| 851.4175 | 31426 | 1010.737 | 31778 | 1165.334 | 31095 | 1315.335 | 32128 | 1460.866 | 29577 | 1602.053 | 28332 | 1739.022 | 23502 | 1871.899 | 21212 |
| 852.6808 | 31231 | 1011.963 | 31826 | 1166.523 | 31037 | 1316.489 | 32033 | 1461.986 | 29536 | 1603.139 | 28026 | 1740.076 | 23464 | 1872.921 | 21177 |
| 853.9438 | 31211 | 1013.188 | 31585 | 1167.713 | 31420 | 1317.643 | 32004 | 1463.105 | 29663 | 1604.225 | 28043 | 1741.129 | 23513 | 1873.943 | 21254 |
| 855.2065 | 31341 | 1014.414 | 31364 | 1168.902 | 31520 | 1318.796 | 31839 | 1464.224 | 29771 | 1605.311 | 27952 | 1742.182 | 23495 | 1874.965 | 21124 |
| 856.469 | 31240 | 1015.639 | 31260 | 1170.09 | 31636 | 1319.95 | 31547 | 1465.343 | 29707 | 1606.396 | 27797 | 1743.235 | 23293 | 1875.986 | 21240 |
| 857.7311 | 31149 | 1016.863 | 31413 | 1171.279 | 31710 | 1321.103 | 31608 | 1466.462 | 29605 | 1607.482 | 27649 | 1744.288 | 23268 | 1877.008 | 21415 |
| 858.9929 | 31114 | 1018.088 | 31972 | 1172.467 | 32036 | 1322.255 | 31571 | 1467.58 | 29854 | 1608.567 | 27699 | 1745.341 | 23241 | 1878.029 | 21310 |
| 860.2544 | 30967 | 1019.312 | 32398 | 1173.655 | 32156 | 1323.408 | 31677 | 1468.698 | 29961 | 1609.651 | 27555 | 1746.393 | 23265 | 1879.05 | 21205 |
| 861.5157 | 31087 | 1020.536 | 32918 | 1174.842 | 32194 | 1324.56 | 31335 | 1469.816 | 30306 | 1610.736 | 27540 | 1747.445 | 23161 | 1880.07 | 21103 |
| 862.7766 | 30924 | 1021.76 | 33094 | 1176.029 | 32356 | 1325.712 | 31272 | 1470.934 | 30048 | 1611.82 | 27588 | 1748.497 | 23278 | 1881.091 | 20993 |
| 864.0373 | 30777 | 1022.983 | 32717 | 1177.216 | 32196 | 1326.864 | 31355 | 1472.051 | 30098 | 1612.904 | 27472 | 1749.548 | 23245 | 1882.111 | 20977 |
| 865.2976 | 30893 | 1024.206 | 32200 | 1178.403 | 32216 | 1328.015 | 31406 | 1473.168 | 30240 | 1613.987 | 27522 | 1750.6 | 22973 | 1883.131 | 20922 |
| 866.5577 | 30659 | 1025.429 | 31539 | 1179.59 | 31659 | 1329.166 | 31120 | 1474.285 | 30427 | 1615.071 | 27512 | 1751.651 | 22983 | 1884.151 | 20694 |
| 867.8174 | 30473 | 1026.651 | 31314 | 1180.776 | 31407 | 1330.317 | 31117 | 1475.401 | 30393 | 1616.154 | 27575 | 1752.702 | 23122 | 1885.17 | 20795 |
| 869.0769 | 30500 | 1027.873 | 31087 | 1181.962 | 31184 | 1331.468 | 31013 | 1476.518 | 30515 | 1617.237 | 27376 | 1753.752 | 23211 | 1886.189 | 20976 |
| 870.3361 | 30681 | 1029.095 | 30817 | 1183.147 | 30991 | 1332.618 | 31167 | 1477.633 | 30303 | 1618.32 | 27488 | 1754.803 | 23203 | 1887.208 | 21076 |
| 871.5949 | 30464 | 1030.317 | 30832 | 1184.333 | 30453 | 1333.768 | 31099 | 1478.749 | 30402 | 1619.402 | 27272 | 1755.853 | 22938 | 1888.227 | 21181 |
| 872.8535 | 30118 | 1031.538 | 30682 | 1185.518 | 30293 | 1334.918 | 30928 | 1479.865 | 30342 | 1620.484 | 27396 | 1756.902 | 22906 | 1889.245 | 21114 |
| 874.1118 | 30108 | 1032.759 | 31140 | 1186.702 | 30301 | 1336.067 | 31160 | 1480.98 | 30293 | 1621.566 | 27073 | 1757.952 | 22945 | 1890.263 | 21225 |
| 875.3698 | 30190 | 1033.98 | 30798 | 1187.887 | 30045 | 1337.217 | 30974 | 1482.095 | 30128 | 1622.648 | 27167 | 1759.001 | 22848 | 1891.281 | 21195 |
| 876.6275 | 30279 | 1035.201 | 30882 | 1189.071 | 29974 | 1338.366 | 30987 | 1483.209 | 29945 | 1623.729 | 26961 | 1760.05 | 22935 | 1892.299 | 20820 |
| 877.8849 | 30251 | 1036.421 | 30640 | 1190.255 | 29993 | 1339.514 | 31203 | 1484.324 | 29847 | 1624.81 | 26884 | 1761.099 | 22776 | 1893.317 | 21156 |
| 879.142 | 30280 | 1037.641 | 30997 | 1191.439 | 29764 | 1340.663 | 31319 | 1485.438 | 29776 | 1625.891 | 26895 | 1762.148 | 22878 | 1894.334 | 21032 |
| 880.3988 | 30169 | 1038.86 | 30748 | 1192.622 | 29975 | 1341.811 | 31188 | 1486.552 | 29561 | 1626.972 | 26843 | 1763.196 | 23067 | 1895.351 | 20753 |
| 881.6553 | 30156 | 1040.08 | 30921 | 1193.805 | 30022 | 1342.959 | 31152 | 1487.666 | 29247 | 1628.052 | 26938 | 1764.244 | 22926 | 1896.368 | 20797 |
| 882.9115 | 30236 | 1041.299 | 31065 | 1194.988 | 29965 | 1344.106 | 31128 | 1488.779 | 29043 | 1629.132 | 26681 | 1765.292 | 23098 | 1897.384 | 20583 |
| 884.1675 | 30264 | 1042.517 | 30980 | 1196.171 | 29900 | 1345.254 | 31063 | 1489.892 | 29113 | 1630.212 | 26818 | 1766.339 | 23081 | 1898.4 | 20764 |
| 885.4231 | 30334 | 1043.736 | 31039 | 1197.353 | 30063 | 1346.401 | 31240 | 1491.005 | 28877 | 1631.292 | 26396 | 1767.387 | 23094 | 1899.417 | 20567 |
| 886.6785 | 30562 | 1044.954 | 31164 | 1198.535 | 29870 | 1347.547 | 31487 | 1492.117 | 28900 | 1632.371 | 26479 | 1768.434 | 23079 | 1900.432 | 20685 |
| 887.9335 | 30375 | 1046.172 | 31180 | 1199.717 | 30056 | 1348.694 | 31548 | 1493.23 | 28911 | 1633.45 | 26348 | 1769.481 | 22966 | 1901.448 | 20722 |
| 889.1882 | 30505 | 1047.389 | 31233 | 1200.898 | 29873 | 1349.84 | 31395 | 1494.342 | 28699 | 1634.529 | 26425 | 1770.527 | 22934 | 1902.463 | 20938 |
| 890.4427 | 30535 | 1048.607 | 31318 | 1202.079 | 29857 | 1350.986 | 31740 | 1495.453 | 28728 | 1635.607 | 26199 | 1771.574 | 23029 | 1903.478 | 20678 |
| 891.6969 | 30472 | 1049.824 | 31548 | 1203.26 | 30073 | 1352.132 | 31736 | 1496.565 | 28447 | 1636.686 | 26208 | 1772.62 | 22871 | 1904.493 | 20820 |
| 892.9507 | 30448 | 1051.04 | 31440 | 1204.441 | 30049 | 1353.277 | 32161 | 1497.676 | 28502 | 1637.764 | 26173 | 1773.666 | 23000 | 1905.508 | 20701 |
| 894.2043 | 30375 | 1052.257 | 31643 | 1205.621 | 30152 | 1354.422 | 32139 | 1498.787 | 28447 | 1638.841 | 26224 | 1774.711 | 22949 | 1906.522 | 20752 |
| 895.4576 | 30596 | 1053.473 | 31889 | 1206.801 | 29912 | 1355.567 | 32337 | 1499.898 | 28278 | 1639.919 | 26181 | 1775.756 | 23130 | 1907.536 | 20954 |
| 896.7106 | 30627 | 1054.689 | 32058 | 1207.981 | 30166 | 1356.712 | 32361 | 1501.008 | 28254 | 1640.996 | 25988 | 1776.802 | 23071 | 1908.55 | 20942 |
| 897.9633 | 30508 | 1055.905 | 32341 | 1209.16 | 30391 | 1357.856 | 32962 | 1502.119 | 28082 | 1642.073 | 25982 | 1777.846 | 22993 | 1909.564 | 20862 |
| 899.2157 | 30359 | 1057.12 | 32712 | 1210.339 | 30391 | 1359 | 33168 | 1503.228 | 28006 | 1643.15 | 26193 | 1778.891 | 23010 | 1910.577 | 20930 |
| 900.4678 | 30271 | 1058.335 | 32959 | 1211.518 | 30634 | 1360.144 | 33665 | 1504.338 | 27776 | 1644.227 | 26116 | 1779.935 | 23035 | 1911.59 | 20714 |
| 901.7196 | 30238 | 1059.55 | 33317 | 1212.697 | 30688 | 1361.288 | 33960 | 1505.448 | 27817 | 1645.303 | 25935 | 1780.979 | 22816 | 1912.603 | 20803 |
| 902.9711 | 30353 | 1060.764 | 33909 | 1213.875 | 30626 | 1362.431 | 34272 | 1506.557 | 27696 | 1646.379 | 25814 | 1782.023 | 22896 | 1913.616 | 20690 |
| 904.2223 | 30151 | 1061.978 | 34538 | 1215.053 | 30755 | 1363.574 | 34493 | 1507.666 | 27790 | 1647.455 | 25810 | 1783.067 | 22812 | 1914.628 | 20604 |
| 905.4733 | 30054 | 1063.192 | 35135 | 1216.231 | 30916 | 1364.717 | 35077 | 1508.774 | 27772 | 1648.53 | 25776 | 1784.11 | 22874 | 1915.641 | 20486 |
| 906.7239 | 30008 | 1064.406 | 35976 | 1217.409 | 30955 | 1365.859 | 35291 | 1509.883 | 27651 | 1649.605 | 25634 | 1785.153 | 22814 | 1916.653 | 20338 |
| 907.9743 | 30056 | 1065.619 | 37321 | 1218.586 | 30872 | 1367.001 | 35583 | 1510.991 | 27828 | 1650.68 | 25750 | 1786.196 | 22780 | 1917.664 | 20313 |
| 909.2243 | 30064 | 1066.832 | 38352 | 1219.763 | 30929 | 1368.143 | 36039 | 1512.098 | 27673 | 1651.755 | 25605 | 1787.239 | 22721 | 1918.676 | 20312 |
| 910.4741 | 29973 | 1068.045 | 39931 | 1220.94 | 30974 | 1369.285 | 35985 | 1513.206 | 27971 | 1652.83 | 25625 | 1788.281 | 22632 | 1919.687 | 20493 |
| 911.7235 | 29889 | 1069.257 | 41859 | 1222.116 | 30893 | 1370.426 | 36189 | 1514.313 | 27877 | 1653.904 | 25727 | 1789.323 | 22525 | 1920.698 | 20304 |
| 912.9727 | 29750 | 1070.469 | 44291 | 1223.292 | 30770 | 1371.567 | 36269 | 1515.42 | 27938 | 1654.978 | 25565 | 1790.365 | 22224 | 1921.709 | 20365 |
| 914.2216 | 29854 | 1071.681 | 46651 | 1224.468 | 31002 | 1372.708 | 36402 | 1516.527 | 28056 | 1656.051 | 25819 | 1791.407 | 22508 | 1922.719 | 20296 |
| 915.4702 | 29887 | 1072.893 | 49104 | 1225.644 | 31132 | 1373.849 | 36820 | 1517.634 | 28061 | 1657.125 | 25678 | 1792.448 | 22552 | 1923.73 | 20198 |
| 916.7185 | 29858 | 1074.104 | 50871 | 1226.819 | 31181 | 1374.989 | 36546 | 1518.74 | 28218 | 1658.198 | 25674 | 1793.489 | 22339 | 1924.74 | 20292 |
| 917.9665 | 29846 | 1075.315 | 52394 | 1227.994 | 31332 | 1376.129 | 36799 | 1519.846 | 28027 | 1659.271 | 25670 | 1794.53 | 22330 | 1925.75 | 20294 |
| 919.2142 | 29906 | 1076.526 | 52837 | 1229.169 | 31442 | 1377.269 | 36714 | 1520.952 | 28219 | 1660.344 | 25667 | 1795.571 | 22493 | 1926.759 | 20254 |
| 920.4616 | 30027 | 1077.736 | 52614 | 1230.343 | 31444 | 1378.408 | 36613 | 1522.057 | 28347 | 1661.416 | 25777 | 1796.611 | 22437 | 1927.769 | 20405 |
| 921.7087 | 29961 | 1078.946 | 51558 | 1231.517 | 31769 | 1379.547 | 36699 | 1523.162 | 28553 | 1662.488 | 25753 | 1797.651 | 22341 | 1928.778 | 20530 |
| 922.9556 | 29945 | 1080.156 | 49441 | 1232.691 | 31981 | 1380.686 | 36632 | 1524.267 | 28420 | 1663.56 | 25775 | 1798.691 | 22365 | 1929.787 | 20368 |
| 924.2021 | 30126 | 1081.366 | 47081 | 1233.865 | 32164 | 1381.825 | 36827 | 1525.372 | 28755 | 1664.632 | 25667 | 1799.731 | 22429 | 1930.795 | 20620 |
| 925.4483 | 30050 | 1082.575 | 44272 | 1235.038 | 32345 | 1382.963 | 36774 | 1526.476 | 28758 | 1665.703 | 25628 | 1800.77 | 22425 | 1931.804 | 20633 |
| 926.6943 | 29747 | 1083.784 | 41631 | 1236.211 | 32423 | 1384.101 | 36848 | 1527.58 | 28581 | 1666.775 | 25708 | 1801.81 | 22307 | 1932.812 | 20581 |
| 927.94 | 29685 | 1084.993 | 39192 | 1237.384 | 32759 | 1385.239 | 36954 | 1528.684 | 28724 | 1667.845 | 25535 | 1802.849 | 22172 | 1933.82 | 20472 |
| 929.1853 | 29846 | 1086.202 | 36866 | 1238.557 | 33035 | 1386.377 | 36656 | 1529.788 | 28269 | 1668.916 | 25549 | 1803.887 | 22345 | 1934.827 | 20388 |
| 930.4304 | 29915 | 1087.41 | 35360 | 1239.729 | 33106 | 1387.514 | 36718 | 1530.891 | 28319 | 1669.987 | 25562 | 1804.926 | 22326 | 1935.835 | 20291 |
| 931.6752 | 29627 | 1088.618 | 34289 | 1240.901 | 33211 | 1388.651 | 36402 | 1531.994 | 28307 | 1671.057 | 25234 | 1805.964 | 22331 | 1936.842 | 20389 |
| 932.9197 | 29581 | 1089.825 | 33336 | 1242.073 | 33109 | 1389.788 | 36419 | 1533.097 | 28272 | 1672.127 | 25367 | 1807.002 | 22198 | 1937.849 | 20483 |
| 934.1639 | 29826 | 1091.033 | 32688 | 1243.244 | 33296 | 1390.925 | 36187 | 1534.2 | 28270 | 1673.196 | 25351 | 1808.039 | 22325 | 1938.856 | 20482 |
| 935.4078 | 29777 | 1092.24 | 32092 | 1244.415 | 33293 | 1392.061 | 35887 | 1535.302 | 28372 | 1674.266 | 25441 | 1809.077 | 22390 | 1939.862 | 20391 |
| 936.6514 | 29548 | 1093.446 | 31792 | 1245.586 | 32921 | 1393.197 | 35435 | 1536.404 | 28260 | 1675.335 | 25398 | 1810.114 | 22443 | 1940.868 | 20324 |
| 937.8947 | 29742 | 1094.653 | 31428 | 1246.757 | 32734 | 1394.332 | 34997 | 1537.506 | 28192 | 1676.404 | 25459 | 1811.151 | 22508 | 1941.874 | 20347 |
| 939.1378 | 29714 | 1095.859 | 30942 | 1247.927 | 32591 | 1395.468 | 34474 | 1538.608 | 28200 | 1677.472 | 25422 | 1812.188 | 22329 | 1942.88 | 20447 |
| 940.3805 | 29592 | 1097.065 | 31164 | 1249.097 | 32639 | 1396.603 | 33808 | 1539.709 | 28313 | 1678.541 | 25451 | 1813.224 | 22368 | 1943.886 | 20360 |
| 941.623 | 29670 | 1098.27 | 30993 | 1250.267 | 32173 | 1397.738 | 33420 | 1540.81 | 28250 | 1679.609 | 25341 | 1814.26 | 22261 | 1944.891 | 20391 |
| 942.8651 | 29616 | 1099.476 | 31052 | 1251.436 | 31787 | 1398.873 | 32878 | 1541.911 | 28324 | 1680.677 | 25587 | 1815.296 | 22175 | 1945.896 | 20200 |
| 944.107 | 29730 | 1100.681 | 30704 | 1252.606 | 32121 | 1400.007 | 32614 | 1543.011 | 28377 | 1681.744 | 25337 | 1816.332 | 22339 | 1946.901 | 20248 |

Applied potential: +0.25 V-1



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 23345 | 945.3486 | 23751 | 1101.886 | 24813 | 1253.774 | 24332 | 1401.141 | 25296 | 1544.112 | 21832 | 1682.812 | 19823 | 1817.368 | 17895 |
| 785.3164 | 23707 | 946.5899 | 23604 | 1103.09 | 25025 | 1254.943 | 24154 | 1402.275 | 24791 | 1545.211 | 21795 | 1683.879 | 19675 | 1818.403 | 17837 |
| 786.5952 | 23759 | 947.8308 | 23609 | 1104.294 | 24778 | 1256.112 | 24221 | 1403.408 | 24661 | 1546.311 | 21929 | 1684.946 | 19842 | 1819.438 | 17808 |
| 787.8737 | 23781 | 949.0715 | 23625 | 1105.498 | 24771 | 1257.28 | 23904 | 1404.542 | 24501 | 1547.411 | 21924 | 1686.012 | 20056 | 1820.473 | 17899 |
| 789.1519 | 23803 | 950.312 | 23819 | 1106.702 | 24463 | 1258.447 | 23994 | 1405.675 | 24258 | 1548.51 | 21975 | 1687.079 | 19890 | 1821.507 | 17873 |
| 790.4297 | 23753 | 951.5521 | 23608 | 1107.905 | 24496 | 1259.615 | 23863 | 1406.808 | 23951 | 1549.609 | 22117 | 1688.145 | 20027 | 1822.541 | 17756 |
| 791.7073 | 23768 | 952.7919 | 23882 | 1109.108 | 24441 | 1260.782 | 23774 | 1407.94 | 23873 | 1550.707 | 22121 | 1689.211 | 19969 | 1823.575 | 17817 |
| 792.9846 | 23662 | 954.0314 | 23777 | 1110.311 | 24427 | 1261.949 | 23944 | 1409.072 | 23734 | 1551.806 | 22149 | 1690.276 | 19965 | 1824.609 | 17728 |
| 794.2616 | 23632 | 955.2707 | 23899 | 1111.514 | 24467 | 1263.116 | 24084 | 1410.204 | 23635 | 1552.904 | 22081 | 1691.342 | 19968 | 1825.643 | 17702 |
| 795.5383 | 23754 | 956.5096 | 23870 | 1112.716 | 24316 | 1264.283 | 23872 | 1411.336 | 23509 | 1554.002 | 22339 | 1692.407 | 20019 | 1826.676 | 17607 |
| 796.8146 | 23625 | 957.7483 | 23768 | 1113.918 | 24323 | 1265.449 | 23862 | 1412.467 | 23443 | 1555.1 | 22425 | 1693.471 | 20141 | 1827.709 | 17680 |
| 798.0907 | 23763 | 958.9867 | 23909 | 1115.119 | 24516 | 1266.615 | 24062 | 1413.598 | 23493 | 1556.197 | 22391 | 1694.536 | 20062 | 1828.742 | 17671 |
| 799.3665 | 23583 | 960.2248 | 23850 | 1116.321 | 24387 | 1267.78 | 24090 | 1414.729 | 23248 | 1557.294 | 22545 | 1695.6 | 20143 | 1829.774 | 17679 |
| 800.642 | 23848 | 961.4626 | 23793 | 1117.522 | 24151 | 1268.946 | 23920 | 1415.86 | 23361 | 1558.391 | 22539 | 1696.664 | 20002 | 1830.807 | 17727 |
| 801.9172 | 23799 | 962.7001 | 23683 | 1118.723 | 24181 | 1270.111 | 24124 | 1416.99 | 23179 | 1559.488 | 22825 | 1697.728 | 19997 | 1831.839 | 17630 |
| 803.1921 | 23733 | 963.9373 | 23782 | 1119.923 | 24286 | 1271.275 | 24100 | 1418.12 | 23102 | 1560.584 | 22738 | 1698.792 | 19922 | 1832.87 | 17587 |
| 804.4667 | 23825 | 965.1742 | 23963 | 1121.123 | 24194 | 1272.44 | 24376 | 1419.25 | 22913 | 1561.68 | 22931 | 1699.855 | 19977 | 1833.902 | 17549 |
| 805.741 | 23852 | 966.4108 | 23926 | 1122.323 | 23901 | 1273.604 | 24438 | 1420.38 | 22962 | 1562.776 | 23257 | 1700.918 | 19958 | 1834.933 | 17451 |
| 807.015 | 23766 | 967.6472 | 23866 | 1123.523 | 24116 | 1274.768 | 24292 | 1421.509 | 23011 | 1563.871 | 23398 | 1701.981 | 19978 | 1835.964 | 17414 |
| 808.2887 | 23842 | 968.8832 | 23889 | 1124.722 | 24154 | 1275.932 | 24331 | 1422.638 | 22872 | 1564.967 | 23801 | 1703.044 | 19708 | 1836.995 | 17361 |
| 809.5621 | 23840 | 970.119 | 23846 | 1125.921 | 24406 | 1277.095 | 24420 | 1423.767 | 22792 | 1566.062 | 24014 | 1704.106 | 19915 | 1838.026 | 17428 |
| 810.8352 | 23612 | 971.3544 | 23844 | 1127.12 | 24395 | 1278.259 | 24371 | 1424.895 | 22723 | 1567.156 | 24479 | 1705.168 | 19717 | 1839.056 | 17473 |
| 812.108 | 23787 | 972.5896 | 24077 | 1128.319 | 24395 | 1279.421 | 24377 | 1426.023 | 22800 | 1568.251 | 24847 | 1706.23 | 19667 | 1840.086 | 17359 |
| 813.3805 | 23593 | 973.8245 | 24064 | 1129.517 | 24426 | 1280.584 | 24181 | 1427.151 | 22652 | 1569.345 | 25369 | 1707.291 | 19648 | 1841.116 | 17266 |
| 814.6527 | 23843 | 975.0591 | 23975 | 1130.715 | 24463 | 1281.746 | 24125 | 1428.279 | 22587 | 1570.439 | 26150 | 1708.353 | 19552 | 1842.146 | 17364 |
| 815.9246 | 23925 | 976.2934 | 23925 | 1131.913 | 24388 | 1282.908 | 24160 | 1429.407 | 22445 | 1571.533 | 26671 | 1709.414 | 19507 | 1843.175 | 17437 |
| 817.1962 | 23808 | 977.5274 | 24066 | 1133.11 | 24360 | 1284.07 | 24049 | 1430.534 | 22675 | 1572.626 | 27089 | 1710.475 | 19442 | 1844.204 | 17269 |
| 818.4675 | 23855 | 978.7612 | 24110 | 1134.307 | 24138 | 1285.232 | 24011 | 1431.661 | 22671 | 1573.72 | 28216 | 1711.535 | 19372 | 1845.233 | 17338 |
| 819.7385 | 23817 | 979.9946 | 24188 | 1135.504 | 24142 | 1286.393 | 24153 | 1432.787 | 22512 | 1574.813 | 29073 | 1712.596 | 19453 | 1846.262 | 17443 |
| 821.0093 | 23929 | 981.2278 | 24188 | 1136.701 | 24033 | 1287.554 | 24263 | 1433.913 | 22675 | 1575.905 | 30501 | 1713.656 | 19223 | 1847.29 | 17449 |
| 822.2797 | 24005 | 982.4606 | 24189 | 1137.897 | 23930 | 1288.715 | 23961 | 1435.04 | 22545 | 1576.998 | 32105 | 1714.715 | 19314 | 1848.318 | 17529 |
| 823.5498 | 23962 | 983.6932 | 24338 | 1139.093 | 23680 | 1289.875 | 24022 | 1436.165 | 22675 | 1578.09 | 34271 | 1715.775 | 19196 | 1849.346 | 17585 |
| 824.8196 | 23865 | 984.9255 | 24173 | 1140.289 | 23586 | 1291.035 | 24009 | 1437.291 | 22574 | 1579.182 | 36092 | 1716.834 | 19301 | 1850.374 | 17411 |
| 826.0892 | 24183 | 986.1575 | 24257 | 1141.484 | 23620 | 1292.195 | 24103 | 1438.416 | 22806 | 1580.274 | 37650 | 1717.893 | 19350 | 1851.401 | 17397 |
| 827.3584 | 24157 | 987.3892 | 24460 | 1142.679 | 23599 | 1293.355 | 24033 | 1439.541 | 22861 | 1581.365 | 38564 | 1718.952 | 19354 | 1852.428 | 17462 |
| 828.6273 | 23965 | 988.6206 | 24482 | 1143.874 | 23618 | 1294.514 | 24020 | 1440.666 | 22991 | 1582.456 | 38594 | 1720.011 | 19221 | 1853.455 | 17372 |
| 829.896 | 23996 | 989.8517 | 24457 | 1145.069 | 23437 | 1295.673 | 23999 | 1441.79 | 23101 | 1583.547 | 37529 | 1721.069 | 19213 | 1854.482 | 17417 |
| 831.1643 | 24040 | 991.0825 | 24538 | 1146.263 | 23453 | 1296.832 | 23979 | 1442.915 | 22996 | 1584.638 | 35740 | 1722.127 | 19206 | 1855.508 | 17418 |
| 832.4324 | 24250 | 992.3131 | 24710 | 1147.457 | 23458 | 1297.99 | 24049 | 1444.039 | 23007 | 1585.728 | 33341 | 1723.185 | 19125 | 1856.535 | 17454 |
| 833.7001 | 24399 | 993.5433 | 25171 | 1148.651 | 23516 | 1299.148 | 24019 | 1445.162 | 23044 | 1586.818 | 31008 | 1724.242 | 19227 | 1857.561 | 17445 |
| 834.9676 | 24238 | 994.7733 | 25548 | 1149.844 | 23564 | 1300.306 | 23991 | 1446.286 | 22949 | 1587.908 | 29062 | 1725.3 | 19114 | 1858.586 | 17360 |
| 836.2347 | 24198 | 996.003 | 26019 | 1151.037 | 23662 | 1301.464 | 24165 | 1447.409 | 22883 | 1588.998 | 27011 | 1726.357 | 19089 | 1859.612 | 17358 |
| 837.5016 | 24236 | 997.2324 | 26421 | 1152.23 | 23550 | 1302.621 | 24226 | 1448.532 | 22911 | 1590.087 | 25861 | 1727.414 | 19003 | 1860.637 | 17349 |
| 838.7682 | 24510 | 998.4615 | 26215 | 1153.423 | 23726 | 1303.779 | 24289 | 1449.654 | 22777 | 1591.176 | 24592 | 1728.47 | 18780 | 1861.662 | 17285 |
| 840.0344 | 24389 | 999.6903 | 26239 | 1154.615 | 23892 | 1304.935 | 24144 | 1450.777 | 22550 | 1592.265 | 23861 | 1729.526 | 18835 | 1862.687 | 17330 |
| 841.3004 | 24414 | 1000.919 | 25944 | 1155.807 | 23923 | 1306.092 | 24399 | 1451.899 | 22732 | 1593.354 | 23348 | 1730.582 | 18744 | 1863.711 | 17242 |
| 842.5661 | 24638 | 1002.147 | 25748 | 1156.999 | 23920 | 1307.248 | 24407 | 1453.021 | 22681 | 1594.442 | 22682 | 1731.638 | 18833 | 1864.736 | 17087 |
| 843.8315 | 24518 | 1003.375 | 25638 | 1158.191 | 23957 | 1308.404 | 24221 | 1454.142 | 22751 | 1595.53 | 22604 | 1732.694 | 18962 | 1865.76 | 17076 |
| 845.0965 | 24547 | 1004.603 | 25602 | 1159.382 | 23887 | 1309.56 | 24222 | 1455.263 | 22522 | 1596.618 | 22178 | 1733.749 | 18908 | 1866.783 | 17005 |
| 846.3613 | 24648 | 1005.83 | 25463 | 1160.573 | 23940 | 1310.716 | 24282 | 1456.384 | 22532 | 1597.705 | 22040 | 1734.804 | 18871 | 1867.807 | 16991 |
| 847.6258 | 24624 | 1007.057 | 25519 | 1161.763 | 23719 | 1311.871 | 24109 | 1457.505 | 22455 | 1598.793 | 22076 | 1735.859 | 18749 | 1868.83 | 17002 |
| 848.89 | 24714 | 1008.284 | 25742 | 1162.954 | 23890 | 1313.026 | 24105 | 1458.626 | 22398 | 1599.88 | 21843 | 1736.913 | 18892 | 1869.853 | 17168 |
| 850.1539 | 24677 | 1009.51 | 25859 | 1164.144 | 23928 | 1314.18 | 24335 | 1459.746 | 22442 | 1600.966 | 21674 | 1737.968 | 18960 | 1870.876 | 17078 |
| 851.4175 | 24774 | 1010.737 | 25613 | 1165.334 | 23910 | 1315.335 | 24031 | 1460.866 | 22490 | 1602.053 | 21486 | 1739.022 | 18898 | 1871.899 | 17076 |
| 852.6808 | 24765 | 1011.963 | 25832 | 1166.523 | 24083 | 1316.489 | 23976 | 1461.986 | 22228 | 1603.139 | 21418 | 1740.076 | 18798 | 1872.921 | 17182 |
| 853.9438 | 24919 | 1013.188 | 25550 | 1167.713 | 24012 | 1317.643 | 23710 | 1463.105 | 22280 | 1604.225 | 21331 | 1741.129 | 18731 | 1873.943 | 17116 |
| 855.2065 | 24975 | 1014.414 | 25293 | 1168.902 | 24104 | 1318.796 | 23873 | 1464.224 | 22483 | 1605.311 | 21304 | 1742.182 | 18682 | 1874.965 | 17160 |
| 856.469 | 24729 | 1015.639 | 25146 | 1170.09 | 24429 | 1319.95 | 23743 | 1465.343 | 22548 | 1606.396 | 21265 | 1743.235 | 18542 | 1875.986 | 17169 |
| 857.7311 | 24777 | 1016.863 | 25000 | 1171.279 | 24452 | 1321.103 | 23620 | 1466.462 | 22631 | 1607.482 | 21141 | 1744.288 | 18653 | 1877.008 | 17005 |
| 858.9929 | 24631 | 1018.088 | 25371 | 1172.467 | 24461 | 1322.255 | 23724 | 1467.58 | 22478 | 1608.567 | 21147 | 1745.341 | 18622 | 1878.029 | 17057 |
| 860.2544 | 24702 | 1019.312 | 25365 | 1173.655 | 24536 | 1323.408 | 23753 | 1468.698 | 22556 | 1609.651 | 21127 | 1746.393 | 18608 | 1879.05 | 17238 |
| 861.5157 | 24575 | 1020.536 | 25546 | 1174.842 | 24789 | 1324.56 | 23756 | 1469.816 | 22586 | 1610.736 | 21102 | 1747.445 | 18599 | 1880.07 | 17163 |
| 862.7766 | 24613 | 1021.76 | 25636 | 1176.029 | 24830 | 1325.712 | 23730 | 1470.934 | 22650 | 1611.82 | 20977 | 1748.497 | 18461 | 1881.091 | 17005 |
| 864.0373 | 24518 | 1022.983 | 25627 | 1177.216 | 24699 | 1326.864 | 23752 | 1472.051 | 22580 | 1612.904 | 20904 | 1749.548 | 18465 | 1882.111 | 17005 |
| 865.2976 | 24665 | 1024.206 | 25551 | 1178.403 | 24533 | 1328.015 | 23653 | 1473.168 | 22449 | 1613.987 | 20692 | 1750.6 | 18419 | 1883.131 | 16960 |
| 866.5577 | 24470 | 1025.429 | 25246 | 1179.59 | 24507 | 1329.166 | 23677 | 1474.285 | 22758 | 1615.071 | 21058 | 1751.651 | 18566 | 1884.151 | 16786 |
| 867.8174 | 24440 | 1026.651 | 25206 | 1180.776 | 24275 | 1330.317 | 23694 | 1475.401 | 22626 | 1616.154 | 20994 | 1752.702 | 18503 | 1885.17 | 16941 |
| 869.0769 | 24296 | 1027.873 | 24980 | 1181.962 | 24294 | 1331.468 | 23624 | 1476.518 | 22534 | 1617.237 | 20986 | 1753.752 | 18568 | 1886.189 | 16929 |
| 870.3361 | 24102 | 1029.095 | 25085 | 1183.147 | 24005 | 1332.618 | 23753 | 1477.633 | 22356 | 1618.32 | 21110 | 1754.803 | 18564 | 1887.208 | 17191 |
| 871.5949 | 24101 | 1030.317 | 24916 | 1184.333 | 23916 | 1333.768 | 23751 | 1478.749 | 22413 | 1619.402 | 21015 | 1755.853 | 18464 | 1888.227 | 17057 |
| 872.8535 | 23927 | 1031.538 | 24931 | 1185.518 | 23897 | 1334.918 | 23755 | 1479.865 | 22236 | 1620.484 | 21010 | 1756.902 | 18508 | 1889.245 | 16950 |
| 874.1118 | 24071 | 1032.759 | 24881 | 1186.702 | 23616 | 1336.067 | 23572 | 1480.98 | 22183 | 1621.566 | 20800 | 1757.952 | 18284 | 1890.263 | 17117 |
| 875.3698 | 23931 | 1033.98 | 24804 | 1187.887 | 23572 | 1337.217 | 23665 | 1482.095 | 22049 | 1622.648 | 20828 | 1759.001 | 18369 | 1891.281 | 17098 |
| 876.6275 | 24087 | 1035.201 | 24796 | 1189.071 | 23519 | 1338.366 | 23727 | 1483.209 | 21990 | 1623.729 | 20858 | 1760.05 | 18394 | 1892.299 | 16958 |
| 877.8849 | 23910 | 1036.421 | 24731 | 1190.255 | 23583 | 1339.514 | 23771 | 1484.324 | 21971 | 1624.81 | 20761 | 1761.099 | 18264 | 1893.317 | 17088 |
| 879.142 | 24011 | 1037.641 | 24811 | 1191.439 | 23439 | 1340.663 | 23819 | 1485.438 | 21855 | 1625.891 | 20755 | 1762.148 | 18391 | 1894.334 | 17071 |
| 880.3988 | 23910 | 1038.86 | 24840 | 1192.622 | 23453 | 1341.811 | 23882 | 1486.552 | 21828 | 1626.972 | 20607 | 1763.196 | 18277 | 1895.351 | 16929 |
| 881.6553 | 24029 | 1040.08 | 24754 | 1193.805 | 23504 | 1342.959 | 23753 | 1487.666 | 21879 | 1628.052 | 20612 | 1764.244 | 18368 | 1896.368 | 16959 |
| 882.9115 | 23903 | 1041.299 | 24789 | 1194.988 | 23412 | 1344.106 | 23796 | 1488.779 | 21717 | 1629.132 | 20613 | 1765.292 | 18384 | 1897.384 | 16819 |
| 884.1675 | 23911 | 1042.517 | 24729 | 1196.171 | 23719 | 1345.254 | 23918 | 1489.892 | 21707 | 1630.212 | 20560 | 1766.339 | 18406 | 1898.4 | 16688 |
| 885.4231 | 23885 | 1043.736 | 24864 | 1197.353 | 23586 | 1346.401 | 23763 | 1491.005 | 21802 | 1631.292 | 20536 | 1767.387 | 18397 | 1899.417 | 16667 |
| 886.6785 | 23869 | 1044.954 | 24857 | 1198.535 | 23653 | 1347.547 | 23793 | 1492.117 | 21855 | 1632.371 | 20509 | 1768.434 | 18448 | 1900.432 | 16759 |
| 887.9335 | 23867 | 1046.172 | 24768 | 1199.717 | 23703 | 1348.694 | 23952 | 1493.23 | 21854 | 1633.45 | 20291 | 1769.481 | 18407 | 1901.448 | 16881 |
| 889.1882 | 23842 | 1047.389 | 24746 | 1200.898 | 23597 | 1349.84 | 23884 | 1494.342 | 22078 | 1634.529 | 20472 | 1770.527 | 18418 | 1902.463 | 16983 |
| 890.4427 | 23920 | 1048.607 | 25127 | 1202.079 | 23636 | 1350.986 | 24059 | 1495.453 | 21974 | 1635.607 | 20261 | 1771.574 | 18364 | 1903.478 | 16808 |
| 891.6969 | 23731 | 1049.824 | 24846 | 1203.26 | 23580 | 1352.132 | 24144 | 1496.565 | 21972 | 1636.686 | 20265 | 1772.62 | 18292 | 1904.493 | 16771 |
| 892.9507 | 23954 | 1051.04 | 25045 | 1204.441 | 23418 | 1353.277 | 24255 | 1497.676 | 21883 | 1637.764 | 20242 | 1773.666 | 18425 | 1905.508 | 16808 |
| 894.2043 | 23915 | 1052.257 | 25222 | 1205.621 | 23674 | 1354.422 | 24275 | 1498.787 | 21862 | 1638.841 | 20224 | 1774.711 | 18409 | 1906.522 | 16888 |
| 895.4576 | 24128 | 1053.473 | 25215 | 1206.801 | 23435 | 1355.567 | 24461 | 1499.898 | 21992 | 1639.919 | 20197 | 1775.756 | 18393 | 1907.536 | 16877 |
| 896.7106 | 23897 | 1054.689 | 25367 | 1207.981 | 23536 | 1356.712 | 24917 | 1501.008 | 21931 | 1640.996 | 20175 | 1776.802 | 18435 | 1908.55 | 16758 |
| 897.9633 | 23978 | 1055.905 | 25400 | 1209.16 | 23566 | 1357.856 | 24873 | 1502.119 | 21708 | 1642.073 | 20040 | 1777.846 | 18359 | 1909.564 | 16902 |
| 899.2157 | 23949 | 1057.12 | 25681 | 1210.339 | 23486 | 1359 | 25140 | 1503.228 | 21792 | 1643.15 | 20225 | 1778.891 | 18376 | 1910.577 | 16871 |
| 900.4678 | 23815 | 1058.335 | 25883 | 1211.518 | 23548 | 1360.144 | 25285 | 1504.338 | 21747 | 1644.227 | 20213 | 1779.935 | 18273 | 1911.59 | 16764 |
| 901.7196 | 23816 | 1059.55 | 26092 | 1212.697 | 23583 | 1361.288 | 25540 | 1505.448 | 21746 | 1645.303 | 20104 | 1780.979 | 18381 | 1912.603 | 16677 |
| 902.9711 | 23724 | 1060.764 | 26469 | 1213.875 | 23572 | 1362.431 | 25821 | 1506.557 | 21654 | 1646.379 | 20062 | 1782.023 | 18286 | 1913.616 | 16851 |
| 904.2223 | 23775 | 1061.978 | 26723 | 1215.053 | 23662 | 1363.574 | 26099 | 1507.666 | 21624 | 1647.455 | 19922 | 1783.067 | 18147 | 1914.628 | 16680 |
| 905.4733 | 23961 | 1063.192 | 27230 | 1216.231 | 23783 | 1364.717 | 26186 | 1508.774 | 21662 | 1648.53 | 20108 | 1784.11 | 18289 | 1915.641 | 16674 |
| 906.7239 | 23873 | 1064.406 | 27333 | 1217.409 | 23818 | 1365.859 | 26504 | 1509.883 | 21767 | 1649.605 | 19993 | 1785.153 | 18206 | 1916.653 | 16613 |
| 907.9743 | 23702 | 1065.619 | 28214 | 1218.586 | 23763 | 1367.001 | 26738 | 1510.991 | 21597 | 1650.68 | 19938 | 1786.196 | 18364 | 1917.664 | 16511 |
| 909.2243 | 23794 | 1066.832 | 29085 | 1219.763 | 23924 | 1368.143 | 27001 | 1512.098 | 21833 | 1651.755 | 19891 | 1787.239 | 18167 | 1918.676 | 16602 |
| 910.4741 | 23758 | 1068.045 | 29524 | 1220.94 | 23908 | 1369.285 | 27174 | 1513.206 | 21762 | 1652.83 | 19983 | 1788.281 | 18072 | 1919.687 | 16597 |
| 911.7235 | 23762 | 1069.257 | 31034 | 1222.116 | 24036 | 1370.426 | 27349 | 1514.313 | 21759 | 1653.904 | 19964 | 1789.323 | 17931 | 1920.698 | 16501 |
| 912.9727 | 23813 | 1070.469 | 31979 | 1223.292 | 23889 | 1371.567 | 27556 | 1515.42 | 21865 | 1654.978 | 19998 | 1790.365 | 17998 | 1921.709 | 16411 |
| 914.2216 | 23709 | 1071.681 | 33561 | 1224.468 | 24037 | 1372.708 | 27829 | 1516.527 | 21816 | 1656.051 | 19862 | 1791.407 | 17898 | 1922.719 | 16454 |
| 915.4702 | 23768 | 1072.893 | 35065 | 1225.644 | 24129 | 1373.849 | 27805 | 1517.634 | 21697 | 1657.125 | 19970 | 1792.448 | 17986 | 1923.73 | 16387 |
| 916.7185 | 23708 | 1074.104 | 36091 | 1226.819 | 24265 | 1374.989 | 28153 | 1518.74 | 21959 | 1658.198 | 20097 | 1793.489 | 18054 | 1924.74 | 16499 |
| 917.9665 | 23797 | 1075.315 | 37290 | 1227.994 | 24284 | 1376.129 | 28297 | 1519.846 | 21880 | 1659.271 | 20040 | 1794.53 | 17923 | 1925.75 | 16610 |
| 919.2142 | 23620 | 1076.526 | 37827 | 1229.169 | 24504 | 1377.269 | 28408 | 1520.952 | 22018 | 1660.344 | 20002 | 1795.571 | 17961 | 1926.759 | 16613 |
| 920.4616 | 23700 | 1077.736 | 38019 | 1230.343 | 24448 | 1378.408 | 28423 | 1522.057 | 22012 | 1661.416 | 20092 | 1796.611 | 18004 | 1927.769 | 16617 |
| 921.7087 | 23705 | 1078.946 | 37587 | 1231.517 | 24773 | 1379.547 | 28305 | 1523.162 | 22065 | 1662.488 | 20128 | 1797.651 | 17857 | 1928.778 | 16523 |
| 922.9556 | 23824 | 1080.156 | 36850 | 1232.691 | 24827 | 1380.686 | 28424 | 1524.267 | 22077 | 1663.56 | 19958 | 1798.691 | 17821 | 1929.787 | 16624 |
| 924.2021 | 23624 | 1081.366 | 35225 | 1233.865 | 24943 | 1381.825 | 28415 | 1525.372 | 22271 | 1664.632 | 19963 | 1799.731 | 17931 | 1930.795 | 16771 |
| 925.4483 | 23642 | 1082.575 | 33608 | 1235.038 | 25090 | 1382.963 | 28424 | 1526.476 | 22264 | 1665.703 | 19942 | 1800.77 | 17849 | 1931.804 | 16693 |
| 926.6943 | 23564 | 1083.784 | 32103 | 1236.211 | 25358 | 1384.101 | 28358 | 1527.58 | 22209 | 1666.775 | 19847 | 1801.81 | 17798 | 1932.812 | 16787 |
| 927.94 | 23700 | 1084.993 | 30421 | 1237.384 | 25530 | 1385.239 | 28160 | 1528.684 | 22102 | 1667.845 | 19869 | 1802.849 | 17719 | 1933.82 | 16596 |
| 929.1853 | 23778 | 1086.202 | 29136 | 1238.557 | 25540 | 1386.377 | 28107 | 1529.788 | 22032 | 1668.916 | 19966 | 1803.887 | 17835 | 1934.827 | 16611 |
| 930.4304 | 23596 | 1087.41 | 27915 | 1239.729 | 25651 | 1387.514 | 28050 | 1530.891 | 22050 | 1669.987 | 19924 | 1804.926 | 18014 | 1935.835 | 16601 |
| 931.6752 | 23790 | 1088.618 | 27069 | 1240.901 | 25765 | 1388.651 | 28071 | 1531.994 | 21922 | 1671.057 | 19816 | 1805.964 | 17849 | 1936.842 | 16658 |
| 932.9197 | 23705 | 1089.825 | 26553 | 1242.073 | 25796 | 1389.788 | 27633 | 1533.097 | 21901 | 1672.127 | 19896 | 1807.002 | 17894 | 1937.849 | 16579 |
| 934.1639 | 23430 | 1091.033 | 26171 | 1243.244 | 25812 | 1390.925 | 27614 | 1534.2 | 21839 | 1673.196 | 19866 | 1808.039 | 18027 | 1938.856 | 16621 |
| 935.4078 | 23571 | 1092.24 | 25714 | 1244.415 | 25744 | 1392.061 | 27403 | 1535.302 | 21805 | 1674.266 | 19768 | 1809.077 | 18100 | 1939.862 | 16573 |
| 936.6514 | 23786 | 1093.446 | 25675 | 1245.586 | 25639 | 1393.197 | 27393 | 1536.404 | 21841 | 1675.335 | 19979 | 1810.114 | 18016 | 1940.868 | 16489 |
| 937.8947 | 23609 | 1094.653 | 25407 | 1246.757 | 25336 | 1394.332 | 27046 | 1537.506 | 21842 | 1676.404 | 19881 | 1811.151 | 17927 | 1941.874 | 16524 |
| 939.1378 | 23671 | 1095.859 | 25217 | 1247.927 | 25237 | 1395.468 | 26863 | 1538.608 | 21794 | 1677.472 | 19841 | 1812.188 | 17969 | 1942.88 | 16483 |
| 940.3805 | 23642 | 1097.065 | 25274 | 1249.097 | 25000 | 1396.603 | 26674 | 1539.709 | 21648 | 1678.541 | 19843 | 1813.224 | 17826 | 1943.886 | 16567 |
| 941.623 | 23627 | 1098.27 | 25219 | 1250.267 | 24766 | 1397.738 | 26256 | 1540.81 | 21821 | 1679.609 | 19842 | 1814.26 | 17822 | 1944.891 | 16442 |
| 942.8651 | 23687 | 1099.476 | 24826 | 1251.436 | 24547 | 1398.873 | 25875 | 1541.911 | 21856 | 1680.677 | 19965 | 1815.296 | 17788 | 1945.896 | 16476 |
| 944.107 | 23593 | 1100.681 | 24973 | 1252.606 | 24496 | 1400.007 | 25641 | 1543.011 | 21754 | 1681.744 | 19790 | 1816.332 | 17725 | 1946.901 | 16390 |

Applied potential: +0.25 V-2



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 14481 | 945.3486 | 14305 | 1101.886 | 14783 | 1253.774 | 14201 | 1401.141 | 14873 | 1544.112 | 12923 | 1682.812 | 12057 | 1817.368 | 11111 |
| 785.3164 | 14686 | 946.5899 | 14306 | 1103.09 | 14866 | 1254.943 | 14261 | 1402.275 | 14644 | 1545.211 | 12976 | 1683.879 | 11973 | 1818.403 | 11130 |
| 786.5952 | 14669 | 947.8308 | 14371 | 1104.294 | 14690 | 1256.112 | 14102 | 1403.408 | 14494 | 1546.311 | 13007 | 1684.946 | 12135 | 1819.438 | 11085 |
| 787.8737 | 14637 | 949.0715 | 14446 | 1105.498 | 14692 | 1257.28 | 14095 | 1404.542 | 14446 | 1547.411 | 12839 | 1686.012 | 11931 | 1820.473 | 11011 |
| 789.1519 | 14852 | 950.312 | 14474 | 1106.702 | 14592 | 1258.447 | 14068 | 1405.675 | 14222 | 1548.51 | 13017 | 1687.079 | 12048 | 1821.507 | 10976 |
| 790.4297 | 14596 | 951.5521 | 14496 | 1107.905 | 14592 | 1259.615 | 14059 | 1406.808 | 14071 | 1549.609 | 13049 | 1688.145 | 12108 | 1822.541 | 11001 |
| 791.7073 | 14629 | 952.7919 | 14500 | 1109.108 | 14593 | 1260.782 | 14044 | 1407.94 | 14029 | 1550.707 | 12950 | 1689.211 | 12032 | 1823.575 | 10983 |
| 792.9846 | 14582 | 954.0314 | 14486 | 1110.311 | 14459 | 1261.949 | 14141 | 1409.072 | 14006 | 1551.806 | 13041 | 1690.276 | 11909 | 1824.609 | 11154 |
| 794.2616 | 14677 | 955.2707 | 14415 | 1111.514 | 14479 | 1263.116 | 14014 | 1410.204 | 13933 | 1552.904 | 13051 | 1691.342 | 11947 | 1825.643 | 11068 |
| 795.5383 | 14519 | 956.5096 | 14474 | 1112.716 | 14389 | 1264.283 | 14013 | 1411.336 | 13712 | 1554.002 | 13030 | 1692.407 | 11942 | 1826.676 | 11016 |
| 796.8146 | 14648 | 957.7483 | 14543 | 1113.918 | 14522 | 1265.449 | 13991 | 1412.467 | 13645 | 1555.1 | 13088 | 1693.471 | 11933 | 1827.709 | 10980 |
| 798.0907 | 14686 | 958.9867 | 14424 | 1115.119 | 14358 | 1266.615 | 14068 | 1413.598 | 13719 | 1556.197 | 13128 | 1694.536 | 12067 | 1828.742 | 10932 |
| 799.3665 | 14492 | 960.2248 | 14334 | 1116.321 | 14375 | 1267.78 | 14115 | 1414.729 | 13600 | 1557.294 | 13123 | 1695.6 | 12054 | 1829.774 | 11033 |
| 800.642 | 14690 | 961.4626 | 14415 | 1117.522 | 14400 | 1268.946 | 14151 | 1415.86 | 13785 | 1558.391 | 13255 | 1696.664 | 12054 | 1830.807 | 10993 |
| 801.9172 | 14611 | 962.7001 | 14452 | 1118.723 | 14537 | 1270.111 | 14089 | 1416.99 | 13618 | 1559.488 | 13175 | 1697.728 | 12010 | 1831.839 | 10968 |
| 803.1921 | 14749 | 963.9373 | 14452 | 1119.923 | 14434 | 1271.275 | 14050 | 1418.12 | 13480 | 1560.584 | 13280 | 1698.792 | 12069 | 1832.87 | 10896 |
| 804.4667 | 14737 | 965.1742 | 14427 | 1121.123 | 14271 | 1272.44 | 14176 | 1419.25 | 13565 | 1561.68 | 13438 | 1699.855 | 11947 | 1833.902 | 10831 |
| 805.741 | 14721 | 966.4108 | 14500 | 1122.323 | 14357 | 1273.604 | 14333 | 1420.38 | 13496 | 1562.776 | 13475 | 1700.918 | 11985 | 1834.933 | 10871 |
| 807.015 | 14597 | 967.6472 | 14551 | 1123.523 | 14352 | 1274.768 | 14260 | 1421.509 | 13452 | 1563.871 | 13644 | 1701.981 | 11912 | 1835.964 | 10905 |
| 808.2887 | 14595 | 968.8832 | 14371 | 1124.722 | 14372 | 1275.932 | 14234 | 1422.638 | 13486 | 1564.967 | 13744 | 1703.044 | 11952 | 1836.995 | 10889 |
| 809.5621 | 14642 | 970.119 | 14439 | 1125.921 | 14470 | 1277.095 | 14310 | 1423.767 | 13434 | 1566.062 | 13841 | 1704.106 | 11803 | 1838.026 | 10846 |
| 810.8352 | 14727 | 971.3544 | 14364 | 1127.12 | 14552 | 1278.259 | 14258 | 1424.895 | 13426 | 1567.156 | 14090 | 1705.168 | 11885 | 1839.056 | 10900 |
| 812.108 | 14623 | 972.5896 | 14498 | 1128.319 | 14513 | 1279.421 | 14316 | 1426.023 | 13480 | 1568.251 | 14365 | 1706.23 | 11800 | 1840.086 | 10919 |
| 813.3805 | 14760 | 973.8245 | 14503 | 1129.517 | 14528 | 1280.584 | 14332 | 1427.151 | 13433 | 1569.345 | 14586 | 1707.291 | 11794 | 1841.116 | 10850 |
| 814.6527 | 14724 | 975.0591 | 14381 | 1130.715 | 14555 | 1281.746 | 14155 | 1428.279 | 13398 | 1570.439 | 14695 | 1708.353 | 11773 | 1842.146 | 10796 |
| 815.9246 | 14720 | 976.2934 | 14462 | 1131.913 | 14492 | 1282.908 | 14140 | 1429.407 | 13345 | 1571.533 | 15153 | 1709.414 | 11823 | 1843.175 | 10836 |
| 817.1962 | 14614 | 977.5274 | 14393 | 1133.11 | 14516 | 1284.07 | 14222 | 1430.534 | 13368 | 1572.626 | 15508 | 1710.475 | 11689 | 1844.204 | 10827 |
| 818.4675 | 14585 | 978.7612 | 14460 | 1134.307 | 14554 | 1285.232 | 14175 | 1431.661 | 13384 | 1573.72 | 15818 | 1711.535 | 11737 | 1845.233 | 10869 |
| 819.7385 | 14595 | 979.9946 | 14472 | 1135.504 | 14523 | 1286.393 | 13966 | 1432.787 | 13346 | 1574.813 | 16338 | 1712.596 | 11675 | 1846.262 | 10834 |
| 821.0093 | 14724 | 981.2278 | 14502 | 1136.701 | 14378 | 1287.554 | 14061 | 1433.913 | 13427 | 1575.905 | 17178 | 1713.656 | 11825 | 1847.29 | 10799 |
| 822.2797 | 14716 | 982.4606 | 14527 | 1137.897 | 14498 | 1288.715 | 14002 | 1435.04 | 13367 | 1576.998 | 18045 | 1714.715 | 11668 | 1848.318 | 10962 |
| 823.5498 | 14740 | 983.6932 | 14597 | 1139.093 | 14405 | 1289.875 | 14043 | 1436.165 | 13331 | 1578.09 | 18934 | 1715.775 | 11687 | 1849.346 | 10920 |
| 824.8196 | 14694 | 984.9255 | 14683 | 1140.289 | 14322 | 1291.035 | 13962 | 1437.291 | 13378 | 1579.182 | 20213 | 1716.834 | 11699 | 1850.374 | 10900 |
| 826.0892 | 14772 | 986.1575 | 14632 | 1141.484 | 14357 | 1292.195 | 14090 | 1438.416 | 13440 | 1580.274 | 20947 | 1717.893 | 11727 | 1851.401 | 10892 |
| 827.3584 | 14805 | 987.3892 | 14690 | 1142.679 | 14237 | 1293.355 | 14090 | 1439.541 | 13483 | 1581.365 | 21525 | 1718.952 | 11686 | 1852.428 | 10957 |
| 828.6273 | 14781 | 988.6206 | 14469 | 1143.874 | 14202 | 1294.514 | 14117 | 1440.666 | 13473 | 1582.456 | 21924 | 1720.011 | 11765 | 1853.455 | 10812 |
| 829.896 | 14758 | 989.8517 | 14612 | 1145.069 | 14119 | 1295.673 | 14045 | 1441.79 | 13500 | 1583.547 | 21206 | 1721.069 | 11615 | 1854.482 | 11013 |
| 831.1643 | 14860 | 991.0825 | 14692 | 1146.263 | 14151 | 1296.832 | 14100 | 1442.915 | 13510 | 1584.638 | 20192 | 1722.127 | 11743 | 1855.508 | 10957 |
| 832.4324 | 14947 | 992.3131 | 14625 | 1147.457 | 14061 | 1297.99 | 13992 | 1444.039 | 13477 | 1585.728 | 19171 | 1723.185 | 11640 | 1856.535 | 10865 |
| 833.7001 | 14918 | 993.5433 | 14689 | 1148.651 | 14109 | 1299.148 | 14111 | 1445.162 | 13533 | 1586.818 | 17796 | 1724.242 | 11589 | 1857.561 | 10932 |
| 834.9676 | 14892 | 994.7733 | 14952 | 1149.844 | 14017 | 1300.306 | 14142 | 1446.286 | 13524 | 1587.908 | 16747 | 1725.3 | 11631 | 1858.586 | 10894 |
| 836.2347 | 14862 | 996.003 | 15172 | 1151.037 | 14151 | 1301.464 | 13912 | 1447.409 | 13510 | 1588.998 | 15742 | 1726.357 | 11606 | 1859.612 | 10721 |
| 837.5016 | 14875 | 997.2324 | 15260 | 1152.23 | 14172 | 1302.621 | 14109 | 1448.532 | 13489 | 1590.087 | 14972 | 1727.414 | 11604 | 1860.637 | 10840 |
| 838.7682 | 14894 | 998.4615 | 15354 | 1153.423 | 14107 | 1303.779 | 14194 | 1449.654 | 13419 | 1591.176 | 14335 | 1728.47 | 11549 | 1861.662 | 10781 |
| 840.0344 | 14928 | 999.6903 | 15287 | 1154.615 | 14115 | 1304.935 | 14231 | 1450.777 | 13406 | 1592.265 | 13844 | 1729.526 | 11531 | 1862.687 | 10809 |
| 841.3004 | 15075 | 1000.919 | 15261 | 1155.807 | 14210 | 1306.092 | 14252 | 1451.899 | 13325 | 1593.354 | 13561 | 1730.582 | 11549 | 1863.711 | 10689 |
| 842.5661 | 15063 | 1002.147 | 15210 | 1156.999 | 14177 | 1307.248 | 14164 | 1453.021 | 13303 | 1594.442 | 13473 | 1731.638 | 11536 | 1864.736 | 10654 |
| 843.8315 | 15014 | 1003.375 | 15135 | 1158.191 | 14206 | 1308.404 | 14134 | 1454.142 | 13309 | 1595.53 | 13248 | 1732.694 | 11504 | 1865.76 | 10709 |
| 845.0965 | 15127 | 1004.603 | 15243 | 1159.382 | 14222 | 1309.56 | 14188 | 1455.263 | 13111 | 1596.618 | 13141 | 1733.749 | 11527 | 1866.783 | 10682 |
| 846.3613 | 15092 | 1005.83 | 15309 | 1160.573 | 14216 | 1310.716 | 14022 | 1456.384 | 13257 | 1597.705 | 13010 | 1734.804 | 11565 | 1867.807 | 10720 |
| 847.6258 | 15025 | 1007.057 | 15334 | 1161.763 | 14209 | 1311.871 | 14075 | 1457.505 | 13247 | 1598.793 | 12967 | 1735.859 | 11521 | 1868.83 | 10751 |
| 848.89 | 15057 | 1008.284 | 15297 | 1162.954 | 14210 | 1313.026 | 14002 | 1458.626 | 13295 | 1599.88 | 12917 | 1736.913 | 11548 | 1869.853 | 10735 |
| 850.1539 | 15172 | 1009.51 | 15397 | 1164.144 | 14174 | 1314.18 | 14133 | 1459.746 | 13116 | 1600.966 | 12823 | 1737.968 | 11488 | 1870.876 | 10698 |
| 851.4175 | 15166 | 1010.737 | 15396 | 1165.334 | 14263 | 1315.335 | 14170 | 1460.866 | 13136 | 1602.053 | 12787 | 1739.022 | 11505 | 1871.899 | 10714 |
| 852.6808 | 15106 | 1011.963 | 15396 | 1166.523 | 14239 | 1316.489 | 14054 | 1461.986 | 13236 | 1603.139 | 12774 | 1740.076 | 11444 | 1872.921 | 10698 |
| 853.9438 | 15227 | 1013.188 | 15217 | 1167.713 | 14233 | 1317.643 | 13936 | 1463.105 | 13174 | 1604.225 | 12694 | 1741.129 | 11417 | 1873.943 | 10746 |
| 855.2065 | 15181 | 1014.414 | 15199 | 1168.902 | 14409 | 1318.796 | 13959 | 1464.224 | 13264 | 1605.311 | 12602 | 1742.182 | 11447 | 1874.965 | 10649 |
| 856.469 | 15123 | 1015.639 | 15033 | 1170.09 | 14336 | 1319.95 | 13946 | 1465.343 | 13168 | 1606.396 | 12629 | 1743.235 | 11375 | 1875.986 | 10715 |
| 857.7311 | 15063 | 1016.863 | 14966 | 1171.279 | 14421 | 1321.103 | 14043 | 1466.462 | 13159 | 1607.482 | 12535 | 1744.288 | 11418 | 1877.008 | 10758 |
| 858.9929 | 15087 | 1018.088 | 14931 | 1172.467 | 14628 | 1322.255 | 13949 | 1467.58 | 13238 | 1608.567 | 12527 | 1745.341 | 11432 | 1878.029 | 10701 |
| 860.2544 | 15129 | 1019.312 | 15123 | 1173.655 | 14529 | 1323.408 | 14019 | 1468.698 | 13357 | 1609.651 | 12539 | 1746.393 | 11492 | 1879.05 | 10725 |
| 861.5157 | 15030 | 1020.536 | 15210 | 1174.842 | 14664 | 1324.56 | 13953 | 1469.816 | 13293 | 1610.736 | 12535 | 1747.445 | 11463 | 1880.07 | 10746 |
| 862.7766 | 15113 | 1021.76 | 15188 | 1176.029 | 14706 | 1325.712 | 13899 | 1470.934 | 13346 | 1611.82 | 12546 | 1748.497 | 11327 | 1881.091 | 10727 |
| 864.0373 | 15085 | 1022.983 | 15194 | 1177.216 | 14619 | 1326.864 | 13920 | 1472.051 | 13280 | 1612.904 | 12540 | 1749.548 | 11297 | 1882.111 | 10664 |
| 865.2976 | 14979 | 1024.206 | 15251 | 1178.403 | 14526 | 1328.015 | 14033 | 1473.168 | 13311 | 1613.987 | 12523 | 1750.6 | 11392 | 1883.131 | 10580 |
| 866.5577 | 14922 | 1025.429 | 15129 | 1179.59 | 14540 | 1329.166 | 14031 | 1474.285 | 13231 | 1615.071 | 12445 | 1751.651 | 11326 | 1884.151 | 10692 |
| 867.8174 | 14858 | 1026.651 | 15117 | 1180.776 | 14461 | 1330.317 | 14047 | 1475.401 | 13393 | 1616.154 | 12398 | 1752.702 | 11354 | 1885.17 | 10719 |
| 869.0769 | 14844 | 1027.873 | 15013 | 1181.962 | 14405 | 1331.468 | 13987 | 1476.518 | 13325 | 1617.237 | 12490 | 1753.752 | 11308 | 1886.189 | 10688 |
| 870.3361 | 14848 | 1029.095 | 15043 | 1183.147 | 14206 | 1332.618 | 13929 | 1477.633 | 13371 | 1618.32 | 12378 | 1754.803 | 11250 | 1887.208 | 10802 |
| 871.5949 | 14801 | 1030.317 | 15028 | 1184.333 | 14190 | 1333.768 | 13935 | 1478.749 | 13311 | 1619.402 | 12488 | 1755.853 | 11399 | 1888.227 | 10732 |
| 872.8535 | 14724 | 1031.538 | 14805 | 1185.518 | 14088 | 1334.918 | 14073 | 1479.865 | 13241 | 1620.484 | 12435 | 1756.902 | 11289 | 1889.245 | 10770 |
| 874.1118 | 14726 | 1032.759 | 14819 | 1186.702 | 14138 | 1336.067 | 14054 | 1480.98 | 13149 | 1621.566 | 12441 | 1757.952 | 11318 | 1890.263 | 10775 |
| 875.3698 | 14599 | 1033.98 | 14815 | 1187.887 | 14121 | 1337.217 | 14133 | 1482.095 | 13078 | 1622.648 | 12364 | 1759.001 | 11326 | 1891.281 | 10699 |
| 876.6275 | 14667 | 1035.201 | 14777 | 1189.071 | 14028 | 1338.366 | 14049 | 1483.209 | 13041 | 1623.729 | 12380 | 1760.05 | 11327 | 1892.299 | 10747 |
| 877.8849 | 14672 | 1036.421 | 14756 | 1190.255 | 14085 | 1339.514 | 14020 | 1484.324 | 13083 | 1624.81 | 12452 | 1761.099 | 11260 | 1893.317 | 10661 |
| 879.142 | 14719 | 1037.641 | 14755 | 1191.439 | 13982 | 1340.663 | 14082 | 1485.438 | 13011 | 1625.891 | 12394 | 1762.148 | 11183 | 1894.334 | 10636 |
| 880.3988 | 14669 | 1038.86 | 14805 | 1192.622 | 14035 | 1341.811 | 14155 | 1486.552 | 12984 | 1626.972 | 12410 | 1763.196 | 11406 | 1895.351 | 10645 |
| 881.6553 | 14639 | 1040.08 | 14936 | 1193.805 | 14107 | 1342.959 | 14121 | 1487.666 | 13045 | 1628.052 | 12366 | 1764.244 | 11281 | 1896.368 | 10551 |
| 882.9115 | 14638 | 1041.299 | 14791 | 1194.988 | 13995 | 1344.106 | 14217 | 1488.779 | 12937 | 1629.132 | 12346 | 1765.292 | 11397 | 1897.384 | 10497 |
| 884.1675 | 14590 | 1042.517 | 14752 | 1196.171 | 14001 | 1345.254 | 14161 | 1489.892 | 12880 | 1630.212 | 12253 | 1766.339 | 11364 | 1898.4 | 10590 |
| 885.4231 | 14634 | 1043.736 | 14757 | 1197.353 | 14157 | 1346.401 | 14176 | 1491.005 | 12982 | 1631.292 | 12335 | 1767.387 | 11368 | 1899.417 | 10605 |
| 886.6785 | 14630 | 1044.954 | 14812 | 1198.535 | 13906 | 1347.547 | 14114 | 1492.117 | 12962 | 1632.371 | 12243 | 1768.434 | 11303 | 1900.432 | 10540 |
| 887.9335 | 14615 | 1046.172 | 14811 | 1199.717 | 14136 | 1348.694 | 14139 | 1493.23 | 12940 | 1633.45 | 12265 | 1769.481 | 11257 | 1901.448 | 10601 |
| 889.1882 | 14528 | 1047.389 | 14909 | 1200.898 | 14157 | 1349.84 | 14154 | 1494.342 | 13010 | 1634.529 | 12243 | 1770.527 | 11296 | 1902.463 | 10625 |
| 890.4427 | 14616 | 1048.607 | 14904 | 1202.079 | 14067 | 1350.986 | 14151 | 1495.453 | 13011 | 1635.607 | 12201 | 1771.574 | 11403 | 1903.478 | 10613 |
| 891.6969 | 14588 | 1049.824 | 14836 | 1203.26 | 14057 | 1352.132 | 14184 | 1496.565 | 12982 | 1636.686 | 12246 | 1772.62 | 11278 | 1904.493 | 10591 |
| 892.9507 | 14697 | 1051.04 | 14992 | 1204.441 | 14033 | 1353.277 | 14299 | 1497.676 | 12909 | 1637.764 | 11979 | 1773.666 | 11339 | 1905.508 | 10667 |
| 894.2043 | 14658 | 1052.257 | 14851 | 1205.621 | 13971 | 1354.422 | 14248 | 1498.787 | 12864 | 1638.841 | 12191 | 1774.711 | 11340 | 1906.522 | 10598 |
| 895.4576 | 14613 | 1053.473 | 14977 | 1206.801 | 13995 | 1355.567 | 14318 | 1499.898 | 12935 | 1639.919 | 12115 | 1775.756 | 11366 | 1907.536 | 10696 |
| 896.7106 | 14419 | 1054.689 | 14963 | 1207.981 | 14043 | 1356.712 | 14464 | 1501.008 | 12914 | 1640.996 | 12015 | 1776.802 | 11246 | 1908.55 | 10557 |
| 897.9633 | 14555 | 1055.905 | 15043 | 1209.16 | 13928 | 1357.856 | 14621 | 1502.119 | 12808 | 1642.073 | 12130 | 1777.846 | 11268 | 1909.564 | 10641 |
| 899.2157 | 14504 | 1057.12 | 15110 | 1210.339 | 14124 | 1359 | 14605 | 1503.228 | 12917 | 1643.15 | 12126 | 1778.891 | 11290 | 1910.577 | 10694 |
| 900.4678 | 14550 | 1058.335 | 15286 | 1211.518 | 13921 | 1360.144 | 14688 | 1504.338 | 12863 | 1644.227 | 12061 | 1779.935 | 11346 | 1911.59 | 10526 |
| 901.7196 | 14656 | 1059.55 | 15420 | 1212.697 | 14050 | 1361.288 | 14765 | 1505.448 | 12776 | 1645.303 | 12140 | 1780.979 | 11430 | 1912.603 | 10563 |
| 902.9711 | 14602 | 1060.764 | 15587 | 1213.875 | 14054 | 1362.431 | 14866 | 1506.557 | 12831 | 1646.379 | 12055 | 1782.023 | 11345 | 1913.616 | 10520 |
| 904.2223 | 14523 | 1061.978 | 15543 | 1215.053 | 13976 | 1363.574 | 14944 | 1507.666 | 12789 | 1647.455 | 12138 | 1783.067 | 11350 | 1914.628 | 10489 |
| 905.4733 | 14459 | 1063.192 | 15856 | 1216.231 | 14012 | 1364.717 | 15135 | 1508.774 | 12827 | 1648.53 | 12060 | 1784.11 | 11325 | 1915.641 | 10590 |
| 906.7239 | 14543 | 1064.406 | 16151 | 1217.409 | 14111 | 1365.859 | 15259 | 1509.883 | 12795 | 1649.605 | 12063 | 1785.153 | 11342 | 1916.653 | 10500 |
| 907.9743 | 14548 | 1065.619 | 16431 | 1218.586 | 14039 | 1367.001 | 15237 | 1510.991 | 12764 | 1650.68 | 12108 | 1786.196 | 11243 | 1917.664 | 10514 |
| 909.2243 | 14571 | 1066.832 | 16797 | 1219.763 | 14229 | 1368.143 | 15533 | 1512.098 | 12890 | 1651.755 | 12093 | 1787.239 | 11296 | 1918.676 | 10562 |
| 910.4741 | 14415 | 1068.045 | 17286 | 1220.94 | 14134 | 1369.285 | 15527 | 1513.206 | 12849 | 1652.83 | 12099 | 1788.281 | 11228 | 1919.687 | 10551 |
| 911.7235 | 14474 | 1069.257 | 17795 | 1222.116 | 14089 | 1370.426 | 15568 | 1514.313 | 12785 | 1653.904 | 11981 | 1789.323 | 11224 | 1920.698 | 10420 |
| 912.9727 | 14432 | 1070.469 | 18484 | 1223.292 | 14230 | 1371.567 | 15767 | 1515.42 | 12765 | 1654.978 | 12069 | 1790.365 | 11158 | 1921.709 | 10416 |
| 914.2216 | 14532 | 1071.681 | 19181 | 1224.468 | 14240 | 1372.708 | 15898 | 1516.527 | 12870 | 1656.051 | 11991 | 1791.407 | 11218 | 1922.719 | 10450 |
| 915.4702 | 14479 | 1072.893 | 20277 | 1225.644 | 14307 | 1373.849 | 15998 | 1517.634 | 12803 | 1657.125 | 12056 | 1792.448 | 11120 | 1923.73 | 10477 |
| 916.7185 | 14483 | 1074.104 | 20994 | 1226.819 | 14385 | 1374.989 | 16015 | 1518.74 | 12877 | 1658.198 | 12046 | 1793.489 | 11106 | 1924.74 | 10376 |
| 917.9665 | 14503 | 1075.315 | 21552 | 1227.994 | 14226 | 1376.129 | 16049 | 1519.846 | 13029 | 1659.271 | 12052 | 1794.53 | 11118 | 1925.75 | 10428 |
| 919.2142 | 14481 | 1076.526 | 22100 | 1229.169 | 14289 | 1377.269 | 16265 | 1520.952 | 13069 | 1660.344 | 12053 | 1795.571 | 11078 | 1926.759 | 10545 |
| 920.4616 | 14466 | 1077.736 | 22313 | 1230.343 | 14332 | 1378.408 | 16294 | 1522.057 | 13040 | 1661.416 | 12153 | 1796.611 | 11161 | 1927.769 | 10547 |
| 921.7087 | 14386 | 1078.946 | 22228 | 1231.517 | 14457 | 1379.547 | 16217 | 1523.162 | 12974 | 1662.488 | 12133 | 1797.651 | 11198 | 1928.778 | 10522 |
| 922.9556 | 14413 | 1080.156 | 21770 | 1232.691 | 14456 | 1380.686 | 16292 | 1524.267 | 13067 | 1663.56 | 12042 | 1798.691 | 11041 | 1929.787 | 10581 |
| 924.2021 | 14412 | 1081.366 | 21186 | 1233.865 | 14540 | 1381.825 | 16290 | 1525.372 | 12982 | 1664.632 | 11995 | 1799.731 | 11115 | 1930.795 | 10474 |
| 925.4483 | 14445 | 1082.575 | 20116 | 1235.038 | 14602 | 1382.963 | 16291 | 1526.476 | 13122 | 1665.703 | 12051 | 1800.77 | 11079 | 1931.804 | 10505 |
| 926.6943 | 14426 | 1083.784 | 19198 | 1236.211 | 14746 | 1384.101 | 16279 | 1527.58 | 13104 | 1666.775 | 11987 | 1801.81 | 11265 | 1932.812 | 10433 |
| 927.94 | 14461 | 1084.993 | 18250 | 1237.384 | 14684 | 1385.239 | 16234 | 1528.684 | 12976 | 1667.845 | 12033 | 1802.849 | 11125 | 1933.82 | 10521 |
| 929.1853 | 14472 | 1086.202 | 17489 | 1238.557 | 14769 | 1386.377 | 16181 | 1529.788 | 13043 | 1668.916 | 12078 | 1803.887 | 11087 | 1934.827 | 10544 |
| 930.4304 | 14384 | 1087.41 | 16753 | 1239.729 | 14925 | 1387.514 | 16160 | 1530.891 | 13049 | 1669.987 | 11972 | 1804.926 | 11078 | 1935.835 | 10503 |
| 931.6752 | 14381 | 1088.618 | 16237 | 1240.901 | 14881 | 1388.651 | 16247 | 1531.994 | 12949 | 1671.057 | 12003 | 1805.964 | 11108 | 1936.842 | 10562 |
| 932.9197 | 14428 | 1089.825 | 16062 | 1242.073 | 15041 | 1389.788 | 16199 | 1533.097 | 12932 | 1672.127 | 11906 | 1807.002 | 11192 | 1937.849 | 10519 |
| 934.1639 | 14424 | 1091.033 | 15603 | 1243.244 | 14985 | 1390.925 | 16092 | 1534.2 | 12960 | 1673.196 | 11964 | 1808.039 | 11094 | 1938.856 | 10517 |
| 935.4078 | 14471 | 1092.24 | 15476 | 1244.415 | 15054 | 1392.061 | 15976 | 1535.302 | 12937 | 1674.266 | 11952 | 1809.077 | 11145 | 1939.862 | 10552 |
| 936.6514 | 14428 | 1093.446 | 15280 | 1245.586 | 14902 | 1393.197 | 16134 | 1536.404 | 12825 | 1675.335 | 11945 | 1810.114 | 11136 | 1940.868 | 10490 |
| 937.8947 | 14223 | 1094.653 | 15170 | 1246.757 | 14835 | 1394.332 | 16044 | 1537.506 | 12878 | 1676.404 | 11898 | 1811.151 | 11041 | 1941.874 | 10441 |
| 939.1378 | 14376 | 1095.859 | 15036 | 1247.927 | 14719 | 1395.468 | 15878 | 1538.608 | 12828 | 1677.472 | 12029 | 1812.188 | 11105 | 1942.88 | 10435 |
| 940.3805 | 14276 | 1097.065 | 15054 | 1249.097 | 14620 | 1396.603 | 15627 | 1539.709 | 12875 | 1678.541 | 11923 | 1813.224 | 11146 | 1943.886 | 10478 |
| 941.623 | 14382 | 1098.27 | 14859 | 1250.267 | 14449 | 1397.738 | 15459 | 1540.81 | 12891 | 1679.609 | 12037 | 1814.26 | 11171 | 1944.891 | 10436 |
| 942.8651 | 14520 | 1099.476 | 15021 | 1251.436 | 14436 | 1398.873 | 15280 | 1541.911 | 12866 | 1680.677 | 11974 | 1815.296 | 11062 | 1945.896 | 10470 |
| 944.107 | 14411 | 1100.681 | 14922 | 1252.606 | 14328 | 1400.007 | 15176 | 1543.011 | 12789 | 1681.744 | 11980 | 1816.332 | 11175 | 1946.901 | 10468 |

Applied potential: +0.25 V-3



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) | Raman Shift (cm–1) | Intensity (counts) |
| 784.0374 | 24713 | 945.3486 | 25059 | 1101.886 | 26025 | 1253.774 | 25388 | 1401.141 | 26352 | 1544.112 | 22354 | 1682.812 | 20249 | 1817.368 | 18155 |
| 785.3164 | 24925 | 946.5899 | 25011 | 1103.09 | 26041 | 1254.943 | 25495 | 1402.275 | 26045 | 1545.211 | 22294 | 1683.879 | 20252 | 1818.403 | 18119 |
| 786.5952 | 25065 | 947.8308 | 24927 | 1104.294 | 26139 | 1256.112 | 25191 | 1403.408 | 25865 | 1546.311 | 22688 | 1684.946 | 20346 | 1819.438 | 18294 |
| 787.8737 | 24873 | 949.0715 | 25106 | 1105.498 | 25890 | 1257.28 | 25222 | 1404.542 | 25493 | 1547.411 | 22584 | 1686.012 | 20380 | 1820.473 | 18101 |
| 789.1519 | 24866 | 950.312 | 25101 | 1106.702 | 25781 | 1258.447 | 25090 | 1405.675 | 25162 | 1548.51 | 22597 | 1687.079 | 20504 | 1821.507 | 18035 |
| 790.4297 | 25076 | 951.5521 | 25117 | 1107.905 | 25732 | 1259.615 | 25078 | 1406.808 | 25045 | 1549.609 | 22789 | 1688.145 | 20431 | 1822.541 | 17894 |
| 791.7073 | 25001 | 952.7919 | 25213 | 1109.108 | 25715 | 1260.782 | 25043 | 1407.94 | 24793 | 1550.707 | 22788 | 1689.211 | 20335 | 1823.575 | 17882 |
| 792.9846 | 25146 | 954.0314 | 25238 | 1110.311 | 25680 | 1261.949 | 25219 | 1409.072 | 24605 | 1551.806 | 22856 | 1690.276 | 20327 | 1824.609 | 17866 |
| 794.2616 | 24948 | 955.2707 | 25241 | 1111.514 | 25405 | 1263.116 | 25118 | 1410.204 | 24606 | 1552.904 | 22852 | 1691.342 | 20439 | 1825.643 | 17915 |
| 795.5383 | 24909 | 956.5096 | 25060 | 1112.716 | 25394 | 1264.283 | 25121 | 1411.336 | 24437 | 1554.002 | 22958 | 1692.407 | 20441 | 1826.676 | 18057 |
| 796.8146 | 25256 | 957.7483 | 25036 | 1113.918 | 25609 | 1265.449 | 25148 | 1412.467 | 24288 | 1555.1 | 23067 | 1693.471 | 20661 | 1827.709 | 17827 |
| 798.0907 | 25127 | 958.9867 | 25173 | 1115.119 | 25436 | 1266.615 | 25238 | 1413.598 | 24355 | 1556.197 | 23140 | 1694.536 | 20468 | 1828.742 | 17880 |
| 799.3665 | 25038 | 960.2248 | 25131 | 1116.321 | 25369 | 1267.78 | 25285 | 1414.729 | 24001 | 1557.294 | 23183 | 1695.6 | 20491 | 1829.774 | 17865 |
| 800.642 | 25143 | 961.4626 | 25026 | 1117.522 | 25164 | 1268.946 | 25466 | 1415.86 | 24092 | 1558.391 | 23287 | 1696.664 | 20472 | 1830.807 | 18026 |
| 801.9172 | 24989 | 962.7001 | 25072 | 1118.723 | 25212 | 1270.111 | 25393 | 1416.99 | 24076 | 1559.488 | 23393 | 1697.728 | 20459 | 1831.839 | 17794 |
| 803.1921 | 24905 | 963.9373 | 25234 | 1119.923 | 25185 | 1271.275 | 25494 | 1418.12 | 23984 | 1560.584 | 23634 | 1698.792 | 20431 | 1832.87 | 17836 |
| 804.4667 | 25247 | 965.1742 | 25118 | 1121.123 | 25294 | 1272.44 | 25614 | 1419.25 | 23673 | 1561.68 | 23825 | 1699.855 | 20509 | 1833.902 | 17775 |
| 805.741 | 25110 | 966.4108 | 25347 | 1122.323 | 25250 | 1273.604 | 25616 | 1420.38 | 23863 | 1562.776 | 23837 | 1700.918 | 20288 | 1834.933 | 17647 |
| 807.015 | 25201 | 967.6472 | 25023 | 1123.523 | 25457 | 1274.768 | 25728 | 1421.509 | 23838 | 1563.871 | 24283 | 1701.981 | 20348 | 1835.964 | 17671 |
| 808.2887 | 25075 | 968.8832 | 25144 | 1124.722 | 25335 | 1275.932 | 25762 | 1422.638 | 23706 | 1564.967 | 24556 | 1703.044 | 20219 | 1836.995 | 17601 |
| 809.5621 | 25247 | 970.119 | 25222 | 1125.921 | 25399 | 1277.095 | 25558 | 1423.767 | 23625 | 1566.062 | 24851 | 1704.106 | 20176 | 1838.026 | 17548 |
| 810.8352 | 25133 | 971.3544 | 25179 | 1127.12 | 25483 | 1278.259 | 25656 | 1424.895 | 23569 | 1567.156 | 25325 | 1705.168 | 20045 | 1839.056 | 17422 |
| 812.108 | 25044 | 972.5896 | 25246 | 1128.319 | 25527 | 1279.421 | 25610 | 1426.023 | 23656 | 1568.251 | 25709 | 1706.23 | 20031 | 1840.086 | 17517 |
| 813.3805 | 25094 | 973.8245 | 25398 | 1129.517 | 25613 | 1280.584 | 25508 | 1427.151 | 23587 | 1569.345 | 26523 | 1707.291 | 19948 | 1841.116 | 17617 |
| 814.6527 | 25055 | 975.0591 | 25449 | 1130.715 | 25551 | 1281.746 | 25426 | 1428.279 | 23561 | 1570.439 | 27067 | 1708.353 | 19850 | 1842.146 | 17677 |
| 815.9246 | 25124 | 976.2934 | 25495 | 1131.913 | 25761 | 1282.908 | 25509 | 1429.407 | 23621 | 1571.533 | 27570 | 1709.414 | 19854 | 1843.175 | 17491 |
| 817.1962 | 25089 | 977.5274 | 25399 | 1133.11 | 25557 | 1284.07 | 25415 | 1430.534 | 23385 | 1572.626 | 28399 | 1710.475 | 19782 | 1844.204 | 17551 |
| 818.4675 | 25133 | 978.7612 | 25401 | 1134.307 | 25702 | 1285.232 | 25364 | 1431.661 | 23618 | 1573.72 | 29355 | 1711.535 | 19890 | 1845.233 | 17448 |
| 819.7385 | 25248 | 979.9946 | 25382 | 1135.504 | 25410 | 1286.393 | 25201 | 1432.787 | 23596 | 1574.813 | 30325 | 1712.596 | 19826 | 1846.262 | 17623 |
| 821.0093 | 25259 | 981.2278 | 25505 | 1136.701 | 25293 | 1287.554 | 25225 | 1433.913 | 23428 | 1575.905 | 31933 | 1713.656 | 19799 | 1847.29 | 17697 |
| 822.2797 | 25212 | 982.4606 | 25587 | 1137.897 | 25267 | 1288.715 | 25295 | 1435.04 | 23578 | 1576.998 | 34170 | 1714.715 | 19654 | 1848.318 | 17723 |
| 823.5498 | 25151 | 983.6932 | 25629 | 1139.093 | 25091 | 1289.875 | 25389 | 1436.165 | 23459 | 1578.09 | 36225 | 1715.775 | 19730 | 1849.346 | 17589 |
| 824.8196 | 25241 | 984.9255 | 25624 | 1140.289 | 24985 | 1291.035 | 25323 | 1437.291 | 23584 | 1579.182 | 38326 | 1716.834 | 19607 | 1850.374 | 17717 |
| 826.0892 | 25408 | 986.1575 | 25510 | 1141.484 | 25032 | 1292.195 | 25302 | 1438.416 | 23529 | 1580.274 | 40063 | 1717.893 | 19657 | 1851.401 | 17592 |
| 827.3584 | 25371 | 987.3892 | 25717 | 1142.679 | 24840 | 1293.355 | 25227 | 1439.541 | 23582 | 1581.365 | 40788 | 1718.952 | 19625 | 1852.428 | 17669 |
| 828.6273 | 25298 | 988.6206 | 25689 | 1143.874 | 24825 | 1294.514 | 25150 | 1440.666 | 23661 | 1582.456 | 40641 | 1720.011 | 19575 | 1853.455 | 17787 |
| 829.896 | 25488 | 989.8517 | 25960 | 1145.069 | 24859 | 1295.673 | 25141 | 1441.79 | 23894 | 1583.547 | 39338 | 1721.069 | 19449 | 1854.482 | 17727 |
| 831.1643 | 25615 | 991.0825 | 25830 | 1146.263 | 24793 | 1296.832 | 25179 | 1442.915 | 23817 | 1584.638 | 37367 | 1722.127 | 19582 | 1855.508 | 17622 |
| 832.4324 | 25478 | 992.3131 | 25823 | 1147.457 | 24676 | 1297.99 | 25128 | 1444.039 | 23820 | 1585.728 | 35015 | 1723.185 | 19468 | 1856.535 | 17715 |
| 833.7001 | 25732 | 993.5433 | 26228 | 1148.651 | 24748 | 1299.148 | 25261 | 1445.162 | 23777 | 1586.818 | 32540 | 1724.242 | 19477 | 1857.561 | 17668 |
| 834.9676 | 25691 | 994.7733 | 26838 | 1149.844 | 24627 | 1300.306 | 25295 | 1446.286 | 23719 | 1587.908 | 29904 | 1725.3 | 19472 | 1858.586 | 17530 |
| 836.2347 | 25663 | 996.003 | 27625 | 1151.037 | 24873 | 1301.464 | 25349 | 1447.409 | 23930 | 1588.998 | 28173 | 1726.357 | 19362 | 1859.612 | 17511 |
| 837.5016 | 25810 | 997.2324 | 27708 | 1152.23 | 24822 | 1302.621 | 25513 | 1448.532 | 23664 | 1590.087 | 26765 | 1727.414 | 19252 | 1860.637 | 17497 |
| 838.7682 | 25727 | 998.4615 | 27903 | 1153.423 | 25035 | 1303.779 | 25551 | 1449.654 | 23609 | 1591.176 | 25613 | 1728.47 | 19273 | 1861.662 | 17389 |
| 840.0344 | 25908 | 999.6903 | 27488 | 1154.615 | 25100 | 1304.935 | 25428 | 1450.777 | 23553 | 1592.265 | 24774 | 1729.526 | 19259 | 1862.687 | 17396 |
| 841.3004 | 25967 | 1000.919 | 27249 | 1155.807 | 25352 | 1306.092 | 25466 | 1451.899 | 23427 | 1593.354 | 23961 | 1730.582 | 19073 | 1863.711 | 17471 |
| 842.5661 | 25892 | 1002.147 | 26885 | 1156.999 | 25204 | 1307.248 | 25452 | 1453.021 | 23471 | 1594.442 | 23726 | 1731.638 | 19151 | 1864.736 | 17290 |
| 843.8315 | 25800 | 1003.375 | 26979 | 1158.191 | 25291 | 1308.404 | 25371 | 1454.142 | 23479 | 1595.53 | 23248 | 1732.694 | 19282 | 1865.76 | 17263 |
| 845.0965 | 25984 | 1004.603 | 27047 | 1159.382 | 25164 | 1309.56 | 25434 | 1455.263 | 23291 | 1596.618 | 23046 | 1733.749 | 19163 | 1866.783 | 17334 |
| 846.3613 | 25906 | 1005.83 | 26952 | 1160.573 | 25053 | 1310.716 | 25338 | 1456.384 | 23415 | 1597.705 | 22901 | 1734.804 | 19219 | 1867.807 | 17245 |
| 847.6258 | 26196 | 1007.057 | 27135 | 1161.763 | 25417 | 1311.871 | 25357 | 1457.505 | 23087 | 1598.793 | 22500 | 1735.859 | 19186 | 1868.83 | 17233 |
| 848.89 | 26275 | 1008.284 | 26983 | 1162.954 | 25216 | 1313.026 | 25285 | 1458.626 | 22989 | 1599.88 | 22477 | 1736.913 | 19107 | 1869.853 | 17247 |
| 850.1539 | 26093 | 1009.51 | 27271 | 1164.144 | 25245 | 1314.18 | 25066 | 1459.746 | 23203 | 1600.966 | 22296 | 1737.968 | 19226 | 1870.876 | 17197 |
| 851.4175 | 26237 | 1010.737 | 27043 | 1165.334 | 25311 | 1315.335 | 24971 | 1460.866 | 23272 | 1602.053 | 22170 | 1739.022 | 18941 | 1871.899 | 17252 |
| 852.6808 | 26061 | 1011.963 | 27020 | 1166.523 | 25512 | 1316.489 | 25138 | 1461.986 | 23273 | 1603.139 | 22107 | 1740.076 | 19103 | 1872.921 | 17426 |
| 853.9438 | 26288 | 1013.188 | 26853 | 1167.713 | 25382 | 1317.643 | 24819 | 1463.105 | 23031 | 1604.225 | 22101 | 1741.129 | 19102 | 1873.943 | 17231 |
| 855.2065 | 26045 | 1014.414 | 26568 | 1168.902 | 25656 | 1318.796 | 24900 | 1464.224 | 23288 | 1605.311 | 21982 | 1742.182 | 18954 | 1874.965 | 17333 |
| 856.469 | 26353 | 1015.639 | 26448 | 1170.09 | 25732 | 1319.95 | 24838 | 1465.343 | 23293 | 1606.396 | 21929 | 1743.235 | 19086 | 1875.986 | 17265 |
| 857.7311 | 26151 | 1016.863 | 26574 | 1171.279 | 25953 | 1321.103 | 24986 | 1466.462 | 23312 | 1607.482 | 21649 | 1744.288 | 18921 | 1877.008 | 17326 |
| 858.9929 | 26043 | 1018.088 | 26553 | 1172.467 | 26054 | 1322.255 | 24805 | 1467.58 | 23442 | 1608.567 | 21645 | 1745.341 | 18815 | 1878.029 | 17328 |
| 860.2544 | 26175 | 1019.312 | 26742 | 1173.655 | 26071 | 1323.408 | 24807 | 1468.698 | 23529 | 1609.651 | 21604 | 1746.393 | 18941 | 1879.05 | 17316 |
| 861.5157 | 26114 | 1020.536 | 26868 | 1174.842 | 26245 | 1324.56 | 24817 | 1469.816 | 23365 | 1610.736 | 21560 | 1747.445 | 18833 | 1880.07 | 17308 |
| 862.7766 | 26196 | 1021.76 | 26901 | 1176.029 | 26311 | 1325.712 | 24759 | 1470.934 | 23445 | 1611.82 | 21586 | 1748.497 | 18839 | 1881.091 | 17122 |
| 864.0373 | 25953 | 1022.983 | 26901 | 1177.216 | 26335 | 1326.864 | 24859 | 1472.051 | 23696 | 1612.904 | 21529 | 1749.548 | 18757 | 1882.111 | 17077 |
| 865.2976 | 25698 | 1024.206 | 26784 | 1178.403 | 26214 | 1328.015 | 24759 | 1473.168 | 23531 | 1613.987 | 21464 | 1750.6 | 18740 | 1883.131 | 16987 |
| 866.5577 | 25823 | 1025.429 | 26557 | 1179.59 | 25987 | 1329.166 | 24743 | 1474.285 | 23442 | 1615.071 | 21441 | 1751.651 | 18741 | 1884.151 | 16952 |
| 867.8174 | 25619 | 1026.651 | 26506 | 1180.776 | 25508 | 1330.317 | 24764 | 1475.401 | 23512 | 1616.154 | 21294 | 1752.702 | 18668 | 1885.17 | 17105 |
| 869.0769 | 25640 | 1027.873 | 26246 | 1181.962 | 25470 | 1331.468 | 24856 | 1476.518 | 23384 | 1617.237 | 21507 | 1753.752 | 18731 | 1886.189 | 17039 |
| 870.3361 | 25448 | 1029.095 | 26316 | 1183.147 | 25348 | 1332.618 | 24710 | 1477.633 | 23465 | 1618.32 | 21481 | 1754.803 | 18783 | 1887.208 | 17242 |
| 871.5949 | 25551 | 1030.317 | 26149 | 1184.333 | 25163 | 1333.768 | 24927 | 1478.749 | 23337 | 1619.402 | 21444 | 1755.853 | 18641 | 1888.227 | 17242 |
| 872.8535 | 25199 | 1031.538 | 26122 | 1185.518 | 24951 | 1334.918 | 24827 | 1479.865 | 23341 | 1620.484 | 21292 | 1756.902 | 18678 | 1889.245 | 17180 |
| 874.1118 | 25325 | 1032.759 | 26259 | 1186.702 | 24881 | 1336.067 | 24760 | 1480.98 | 22810 | 1621.566 | 21161 | 1757.952 | 18565 | 1890.263 | 17149 |
| 875.3698 | 25339 | 1033.98 | 26125 | 1187.887 | 24784 | 1337.217 | 24980 | 1482.095 | 23062 | 1622.648 | 21394 | 1759.001 | 18644 | 1891.281 | 17187 |
| 876.6275 | 25131 | 1035.201 | 26148 | 1189.071 | 24638 | 1338.366 | 24934 | 1483.209 | 22876 | 1623.729 | 21199 | 1760.05 | 18697 | 1892.299 | 17308 |
| 877.8849 | 25301 | 1036.421 | 26227 | 1190.255 | 24959 | 1339.514 | 24860 | 1484.324 | 22779 | 1624.81 | 21171 | 1761.099 | 18600 | 1893.317 | 17085 |
| 879.142 | 25096 | 1037.641 | 26062 | 1191.439 | 24842 | 1340.663 | 24854 | 1485.438 | 22758 | 1625.891 | 21330 | 1762.148 | 18537 | 1894.334 | 17100 |
| 880.3988 | 25231 | 1038.86 | 26207 | 1192.622 | 24770 | 1341.811 | 24915 | 1486.552 | 22624 | 1626.972 | 21271 | 1763.196 | 18560 | 1895.351 | 17113 |
| 881.6553 | 25229 | 1040.08 | 26115 | 1193.805 | 24593 | 1342.959 | 25080 | 1487.666 | 22544 | 1628.052 | 21152 | 1764.244 | 18739 | 1896.368 | 17102 |
| 882.9115 | 24970 | 1041.299 | 26086 | 1194.988 | 25003 | 1344.106 | 24847 | 1488.779 | 22633 | 1629.132 | 21088 | 1765.292 | 18626 | 1897.384 | 17042 |
| 884.1675 | 25253 | 1042.517 | 26099 | 1196.171 | 24865 | 1345.254 | 24915 | 1489.892 | 22627 | 1630.212 | 21149 | 1766.339 | 18685 | 1898.4 | 16976 |
| 885.4231 | 24993 | 1043.736 | 26266 | 1197.353 | 24685 | 1346.401 | 25033 | 1491.005 | 22591 | 1631.292 | 21021 | 1767.387 | 18593 | 1899.417 | 16926 |
| 886.6785 | 25294 | 1044.954 | 26193 | 1198.535 | 24887 | 1347.547 | 25047 | 1492.117 | 22632 | 1632.371 | 20978 | 1768.434 | 18755 | 1900.432 | 17008 |
| 887.9335 | 25276 | 1046.172 | 26245 | 1199.717 | 24952 | 1348.694 | 24900 | 1493.23 | 22652 | 1633.45 | 21013 | 1769.481 | 18710 | 1901.448 | 16856 |
| 889.1882 | 25262 | 1047.389 | 26195 | 1200.898 | 24974 | 1349.84 | 25067 | 1494.342 | 22641 | 1634.529 | 21000 | 1770.527 | 18777 | 1902.463 | 17066 |
| 890.4427 | 25215 | 1048.607 | 26404 | 1202.079 | 24761 | 1350.986 | 25191 | 1495.453 | 22603 | 1635.607 | 20828 | 1771.574 | 18711 | 1903.478 | 17005 |
| 891.6969 | 25306 | 1049.824 | 26521 | 1203.26 | 24906 | 1352.132 | 25176 | 1496.565 | 22570 | 1636.686 | 20847 | 1772.62 | 18510 | 1904.493 | 16982 |
| 892.9507 | 25338 | 1051.04 | 26375 | 1204.441 | 24916 | 1353.277 | 25473 | 1497.676 | 22543 | 1637.764 | 20768 | 1773.666 | 18661 | 1905.508 | 17007 |
| 894.2043 | 25154 | 1052.257 | 26421 | 1205.621 | 24876 | 1354.422 | 25633 | 1498.787 | 22454 | 1638.841 | 20812 | 1774.711 | 18815 | 1906.522 | 16939 |
| 895.4576 | 25089 | 1053.473 | 26394 | 1206.801 | 24827 | 1355.567 | 25708 | 1499.898 | 22446 | 1639.919 | 20528 | 1775.756 | 18691 | 1907.536 | 17045 |
| 896.7106 | 25186 | 1054.689 | 26538 | 1207.981 | 24888 | 1356.712 | 25954 | 1501.008 | 22558 | 1640.996 | 20503 | 1776.802 | 18601 | 1908.55 | 17063 |
| 897.9633 | 25145 | 1055.905 | 26803 | 1209.16 | 24927 | 1357.856 | 26132 | 1502.119 | 22406 | 1642.073 | 20578 | 1777.846 | 18776 | 1909.564 | 17214 |
| 899.2157 | 25113 | 1057.12 | 26882 | 1210.339 | 25025 | 1359 | 26368 | 1503.228 | 22411 | 1643.15 | 20533 | 1778.891 | 18761 | 1910.577 | 16993 |
| 900.4678 | 25091 | 1058.335 | 27277 | 1211.518 | 24939 | 1360.144 | 26636 | 1504.338 | 22301 | 1644.227 | 20716 | 1779.935 | 18743 | 1911.59 | 16953 |
| 901.7196 | 25078 | 1059.55 | 27539 | 1212.697 | 24816 | 1361.288 | 26674 | 1505.448 | 22108 | 1645.303 | 20565 | 1780.979 | 18557 | 1912.603 | 16885 |
| 902.9711 | 25161 | 1060.764 | 27658 | 1213.875 | 24771 | 1362.431 | 26895 | 1506.557 | 22317 | 1646.379 | 20546 | 1782.023 | 18640 | 1913.616 | 16755 |
| 904.2223 | 25218 | 1061.978 | 28216 | 1215.053 | 25101 | 1363.574 | 27110 | 1507.666 | 22337 | 1647.455 | 20458 | 1783.067 | 18466 | 1914.628 | 16976 |
| 905.4733 | 25145 | 1063.192 | 28441 | 1216.231 | 24959 | 1364.717 | 27398 | 1508.774 | 22362 | 1648.53 | 20518 | 1784.11 | 18598 | 1915.641 | 16876 |
| 906.7239 | 25150 | 1064.406 | 29206 | 1217.409 | 25038 | 1365.859 | 27646 | 1509.883 | 22293 | 1649.605 | 20318 | 1785.153 | 18603 | 1916.653 | 16798 |
| 907.9743 | 25137 | 1065.619 | 29834 | 1218.586 | 25010 | 1367.001 | 27951 | 1510.991 | 22340 | 1650.68 | 20397 | 1786.196 | 18520 | 1917.664 | 16671 |
| 909.2243 | 25157 | 1066.832 | 30713 | 1219.763 | 25196 | 1368.143 | 28003 | 1512.098 | 22335 | 1651.755 | 20349 | 1787.239 | 18476 | 1918.676 | 16656 |
| 910.4741 | 25077 | 1068.045 | 31815 | 1220.94 | 25225 | 1369.285 | 28058 | 1513.206 | 22363 | 1652.83 | 20510 | 1788.281 | 18386 | 1919.687 | 16690 |
| 911.7235 | 25032 | 1069.257 | 33234 | 1222.116 | 25258 | 1370.426 | 28385 | 1514.313 | 22487 | 1653.904 | 20409 | 1789.323 | 18334 | 1920.698 | 16613 |
| 912.9727 | 25129 | 1070.469 | 34569 | 1223.292 | 25334 | 1371.567 | 28707 | 1515.42 | 22455 | 1654.978 | 20339 | 1790.365 | 18366 | 1921.709 | 16610 |
| 914.2216 | 25173 | 1071.681 | 36328 | 1224.468 | 25343 | 1372.708 | 28809 | 1516.527 | 22391 | 1656.051 | 20287 | 1791.407 | 18327 | 1922.719 | 16637 |
| 915.4702 | 25094 | 1072.893 | 37874 | 1225.644 | 25427 | 1373.849 | 28995 | 1517.634 | 22350 | 1657.125 | 20534 | 1792.448 | 18284 | 1923.73 | 16475 |
| 916.7185 | 25037 | 1074.104 | 39443 | 1226.819 | 25673 | 1374.989 | 29001 | 1518.74 | 22551 | 1658.198 | 20325 | 1793.489 | 18311 | 1924.74 | 16474 |
| 917.9665 | 25080 | 1075.315 | 40402 | 1227.994 | 25518 | 1376.129 | 29212 | 1519.846 | 22516 | 1659.271 | 20394 | 1794.53 | 18215 | 1925.75 | 16699 |
| 919.2142 | 25045 | 1076.526 | 41142 | 1229.169 | 25712 | 1377.269 | 29491 | 1520.952 | 22617 | 1660.344 | 20358 | 1795.571 | 18154 | 1926.759 | 16721 |
| 920.4616 | 25000 | 1077.736 | 41099 | 1230.343 | 25871 | 1378.408 | 29305 | 1522.057 | 22547 | 1661.416 | 20631 | 1796.611 | 18279 | 1927.769 | 16754 |
| 921.7087 | 25160 | 1078.946 | 40210 | 1231.517 | 25997 | 1379.547 | 29303 | 1523.162 | 22610 | 1662.488 | 20544 | 1797.651 | 18242 | 1928.778 | 16707 |
| 922.9556 | 25116 | 1080.156 | 39265 | 1232.691 | 25962 | 1380.686 | 29374 | 1524.267 | 22714 | 1663.56 | 20508 | 1798.691 | 18228 | 1929.787 | 16749 |
| 924.2021 | 25050 | 1081.366 | 37754 | 1233.865 | 26086 | 1381.825 | 29142 | 1525.372 | 22749 | 1664.632 | 20417 | 1799.731 | 18255 | 1930.795 | 16726 |
| 925.4483 | 24872 | 1082.575 | 35809 | 1235.038 | 26217 | 1382.963 | 29299 | 1526.476 | 22711 | 1665.703 | 20283 | 1800.77 | 18192 | 1931.804 | 16727 |
| 926.6943 | 24993 | 1083.784 | 33862 | 1236.211 | 26457 | 1384.101 | 29246 | 1527.58 | 22899 | 1666.775 | 20466 | 1801.81 | 18088 | 1932.812 | 16787 |
| 927.94 | 24919 | 1084.993 | 32210 | 1237.384 | 26541 | 1385.239 | 29060 | 1528.684 | 22813 | 1667.845 | 20366 | 1802.849 | 18208 | 1933.82 | 16823 |
| 929.1853 | 25117 | 1086.202 | 30552 | 1238.557 | 26981 | 1386.377 | 29088 | 1529.788 | 22627 | 1668.916 | 20316 | 1803.887 | 18093 | 1934.827 | 16625 |
| 930.4304 | 25019 | 1087.41 | 29521 | 1239.729 | 26814 | 1387.514 | 28774 | 1530.891 | 22521 | 1669.987 | 20372 | 1804.926 | 17964 | 1935.835 | 16654 |
| 931.6752 | 24975 | 1088.618 | 28546 | 1240.901 | 26962 | 1388.651 | 28742 | 1531.994 | 22654 | 1671.057 | 20495 | 1805.964 | 18245 | 1936.842 | 16705 |
| 932.9197 | 24987 | 1089.825 | 27859 | 1242.073 | 27145 | 1389.788 | 28598 | 1533.097 | 22446 | 1672.127 | 20262 | 1807.002 | 18057 | 1937.849 | 16819 |
| 934.1639 | 25127 | 1091.033 | 27496 | 1243.244 | 27038 | 1390.925 | 28553 | 1534.2 | 22350 | 1673.196 | 20198 | 1808.039 | 18195 | 1938.856 | 16723 |
| 935.4078 | 25034 | 1092.24 | 27140 | 1244.415 | 26872 | 1392.061 | 28329 | 1535.302 | 22321 | 1674.266 | 20314 | 1809.077 | 18106 | 1939.862 | 16600 |
| 936.6514 | 24853 | 1093.446 | 26934 | 1245.586 | 27011 | 1393.197 | 28233 | 1536.404 | 22350 | 1675.335 | 20415 | 1810.114 | 18218 | 1940.868 | 16592 |
| 937.8947 | 24928 | 1094.653 | 26501 | 1246.757 | 26747 | 1394.332 | 28166 | 1537.506 | 22322 | 1676.404 | 20482 | 1811.151 | 18164 | 1941.874 | 16696 |
| 939.1378 | 24958 | 1095.859 | 26418 | 1247.927 | 26614 | 1395.468 | 28066 | 1538.608 | 22307 | 1677.472 | 20167 | 1812.188 | 18227 | 1942.88 | 16685 |
| 940.3805 | 24938 | 1097.065 | 26442 | 1249.097 | 26207 | 1396.603 | 27798 | 1539.709 | 22413 | 1678.541 | 20169 | 1813.224 | 18107 | 1943.886 | 16635 |
| 941.623 | 25133 | 1098.27 | 26187 | 1250.267 | 25993 | 1397.738 | 27233 | 1540.81 | 22314 | 1679.609 | 20295 | 1814.26 | 18087 | 1944.891 | 16650 |
| 942.8651 | 25092 | 1099.476 | 26167 | 1251.436 | 25770 | 1398.873 | 26879 | 1541.911 | 22522 | 1680.677 | 20286 | 1815.296 | 17871 | 1945.896 | 16424 |
| 944.107 | 25048 | 1100.681 | 26243 | 1252.606 | 25624 | 1400.007 | 26624 | 1543.011 | 22224 | 1681.744 | 20300 | 1816.332 | 18168 | 1946.901 | 16583 |