

METADATA

TITLE: Content of tocols and retinoids in sheep milk and cheese samples from intensive and extensive commercial farms

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KEYWORDS: Tocols, retinoids, milk, cheese, dairy sheep, intensive farms, extensive farms, commercial farms.

DESCRIPTION

Analytical methodology: Tocols and retinoids analysis by high-performance liquid chromatography according to Blanco-Doval, A., Barron, L.J.R., Bustamante, M.A. and Aldai, N. (2025). *Journal of the Science of Food and Agriculture*, 105: 1894–1903; DOI: 10.1002/jsfa.13966.

Identification of categorical variable codes:

<i>Categorical variable</i>	<i>Codes</i>	<i>Identification</i>
Farm type	Numerical: 1 or 2	1=intensive, 2=extensive
Farm	Numerical: from 01 to 58	Anonymous code for each farm
Dairy food type	Numerical: 1 or 2	1=milk, 2=cheese
Sample	For dairy food type=1 Numerical: 1 or 2	XX1=first replicate, XX2=second replicate where XX is the farm code
	For dairy food type=2 Numerical: 1, 2 or 3	XX1=first replicate, XX2=second replicate, XX3=third replicate where XX is the farm code
	Alphabetical: A or B	A, B=two different cheeses from the same vat

Identification of analytical variable names:

<i>Analytical variable</i>	<i>Name</i>
A1	Retinoids; when dairy food type=1, the retinoid compound is retinyl palmitate; when dairy food type=2, the retinoid compound is retinol
A2	alpha-tocopherol
A3	alpha-tocotrienol
A4	gamma-tocopherol

A5

beta-tocotrienol

Measurement units:

All analytical variables are expressed as micrograms per 100 grams of sample

Abbreviations:

ND, values below the limit of detection

DATASET FORMAT TYPE: xls.

LANGUAGE: English