

Certified Reference Values



Production date: 26-01-2026

Batch: 5 - 2026

Type	Buttermilk	Unhomogenised past. milk										
		6,5%	8%	9,5%	11%	12%	14%	18%	32%	38%	46%	50%
Fat (g/100 g) ≤ 8%+9,5%: ISO 1211/IDF 1:2010 ≥ 9%: ISO 2450/IDF 16: 2008	0,618	6,803	8,220	9,629	11,190	11,853	13,962	18,036	32,138	38,439	45,336	48,495
Protein (g/100 g) ISO 8968-1/IDF 20-1:2014	3,529	3,767	3,717	3,646	3,588	3,540	3,446	3,281	2,677	2,399	2,062	1,919
Lactose, Mono (g/100 g) ISO 5765-2/IDF 79:2002										3,115		
Dry Matter (g/100 g) ISO 6731/IDF 21:2010			17,222	18,455		20,421	22,359	26,031	38,746	44,520	50,530	53,582

** Increase uncertainty (Ux2)

Version 1

Date: 29-01-2026

CRM Approver, Signe Hannesbo Møller Nielsen

The results apply only to the received batch

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Contact: calibration@ftn.eurofins.com

Information, if any:

Informations according to the certified reference material:

Description

Bovine milk from Danish Dairies.
CRM has preservative added.

The certified values are calculated based on results from chemical analysis.

Because of the short validy period, reference analyses
is carried out at one laboratory only, but in several determinations
and batches for statistical robustness.

Homogeneity iscontrolled on data from both chemical and FTIR analysis.
Stability has been calculated for a representative batch.

*Following changes to the above methods have been made.

Fat: The drying is with a constant time instead of constant weight.

Protein: The destruction does not take place at lower temperatures, but starts at 420°C.

Dry matter: Single-use vials without lids are used instead of vials with lid, and the samples are not pre-dried before placed in the oven.

Instruction for handling and use:

Place the CRM at room temperature for 60 min, then heat in water bath to 38°C for 20 min.
Gently invert the CRM 20 times and measure immediately on FTIR equipment

Samples can't be reused. Once heated, please discard any remains after measurements have finished.

Sample size:

Approx. 50 mL.

Period of validity:

14 days at 4°C ± 2°C from production date.

Storage information:

Store at 4°C ± 2°C until use.

The Samples are calculated with following expanded uncertainty U%

	U%
Fat	2,0%
Protein	1,5%
Lactose	2,0%
Dry Matter	1,5%