Certified Reference Values





27-2025 Production date: 6/30/2025 Batch:

		Unhomogenised past. milk	Unhomogenised past. cream										
	Туре	Buttermilk	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		0.652	6.496	8.044	9.594	11.180	11.659	13.670	17.285	32.025	38.656	44.747	49.046
Protein (g/ 100 g) ISO 8968-1/IDF 20-1:2014		3.456	3.570	3.511	3.448	3.387	3.353	3.276	3.138	2.553	2.280	1.945	1.837
Lactose, Mono (g/100 g) ISO 5765-2/IDF 79:2002											3.062		
Dry Matter (g/100 g) ISO 6731/IDF 21:2010				16.896	18.255		19.970	21.855	25.128	38.499	44.462	49.866	54.044

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** Increase uncertainty (U×2)		-						(0 0	1		
Version 1				Date			Sjonelulule						
The results apply only the received batch				Date:	7/2/2	7/2/2025		CRM Approver, Signe Hannesbo Møller Nielsen					
The results may not be reproduced, except in their entirety, without written permission from the Laboratory.							11						
								Contact: calibration@ftn.eurofins.com					
Information, if any:				_									
				<u> </u>									

Informations according to the certified reference material:

<u>Description</u>
Bovine milk from Danish Dairies. CRM has preservative added.

The certified values are calulated 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.

Homogenity 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.

The Samples are calculated with following expanded uncertanity U%					
	U%				
Fat	1.5%				
Protein	1.5%				
Lactose	2.0%				
Dry Matter	1.0%				

<u>Instruction for handling and use:</u>
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.

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