

# Shock-Frozen Milk Standards 2026

## Calibration and Reference

Eurofins have a long history of developing and manufacturing calibration samples for the dairy industry and is the trusted partner for supplying calibration samples for some of the biggest dairies in the world. The manufacturing of the samples is DANAK accredited according to DS/EN ISO 17034:2016 with accreditation no. 597.

The reference values are posted on our web site:

[www.eurofins.dk/maelke-og-veterinaeranalyser/crm-uk/](http://www.eurofins.dk/maelke-og-veterinaeranalyser/crm-uk/)

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## Price List

### Raw Milk Standards

Type	Fat %	Protein %	Dry Matter %	Lactose	Casein	Item	Price (DKK)	Price (EUR)
30 *	1.5% (1.2 - 1.8)	3.0 - 4.0	10.0 - 11.5	4.5 - 5.5	-	KW145	98,09	13,18
C *	3.0% (2.5 - 3.5)	3.0 - 4.0	11.0 - 13.0	4.5 - 5.5	-	KW146	98,09	13,18
B	4.0% (3.6 - 4.8)	3.0 - 4.0	12.0 - 14.0	4.0 - 5.0	2.6 - 2.8	KW147	98,09	13,18
A0	5.5% (4.5 - 6.5)	4.0 - 5.0	14.5 - 16.5	4.0 - 5.0	3.4 - 3.6	KW148	98,09	13,18
A1	6.1% (5.1 - 7.1)	3.5 - 4.5	14.0 - 17.0	4.0 - 5.0	3.1 - 3.3	KW149	98,09	13,18

\*Please note that these standards have pasteurised, skimmed milk added.

### Whey Standards

Type	Fat %	Protein %	Dry Matter %	Lactose	Casein	Item	Price (DKK)	Price (EUR)
Whey1	0.07% (0.04 - 0.10)	0.6 - 1.1	4.5 - 6.0	3.0 - 4.0	-	KW142	204,49	27,51
Whey2	0.15% (0.09 - 0.21)	1.5 - 3.0	6.0 - 8.0	3.5 - 5.0	-	KW143	204,49	27,51
Whey3	0.22% (0.15 - 0.29)	3.0 - 4.0	8.5 - 10.5	4.0 - 5.5	-	KW144	204,49	27,51

### Process Milk Standards

Type	Fat %	Protein %	Dry Matter %	Lactose	Casein	Item	Price (DKK)	Price (EUR)
Milk0.5	0.4% (0.2 - 0.6)	3.0 - 4.0	9.0 - 10.5	-	-	KW121	106,91	14,32
Milk1.5	1.5% (1.3 - 1.7)	3.0 - 4.0	10.0 - 11.5	-	-	KW122	106,91	14,32
Milk3.0	3.0% (2.7 - 3.3)	3.0 - 4.0	11.0 - 13.0	-	-	KW123	106,91	14,32
Milk4.0	4.0% (3.7 - 4.3)	3.0 - 4.0	-	-	-	KW125	106,91	14,32

### Skimmed Milk Standard

Type	Fat %	Protein %	Dry Matter %	Lactose	Casein	Item	Price (DKK)	Price (EUR)
SKM	0.07% (0.04 - 0.10)	3.0 - 4.0	9.0 - 10.0	4.5 - 5.5	-	KW116	109,51	14,74

### High Protein Standards

Type	Fat %	Protein %	Dry Matter %	Lactose	Casein	Item	Price (DKK)	Price (EUR)
HP	-	4.5 - 4.9	-	-	-	KW117	255,35	34,25
HP-past	-	4.8 - 5.2	-	-	-	KW140	255,35	34,25
HP-raw	-	4.8 - 5.2	-	-	-	KW141	255,35	34,25

## Price List

### Permeate Standard

Type	Fat %	Protein %	Dry Matter %	Lactose	Casein	Item	Price (DKK)	Price (EUR)
PE	-	0.15 - 0.25	-	-	-	KW171	255,35	34,25

	Item	Price (DKK)	Price (EUR)
Package & Shipping per box - DK national	KW126	544,95	73,10
Package & Shipping per box - international	KW127	778,50	104,50

### Reference methods for chemical analysis

Fat (g/100 g)	ISO 1211:2010, Röse Gottlieb
Protein (g/ 100 g)	ISO 8968-1:2014, Kjeldahl
Lactose, Mono (g/100 g)	ISO 22662:2017, HPLC - AOAC 982.14, HPLC - ISO 5765:2002, Enzymatic
Dry Matter (g/100 g)	ISO 6731:2010, Gravimetric
Casein (g/100 g)	ISO 17997-1:2004, Kjeldahl (calculation)
Freezing point depression (°C)	J. nr. L2641-38-0-3/97, Infrared (IR)