

Condensed Skim Milk Chemical Results

Set: **250437** DATE: **09/08/25**

Sample Number	Mojonnier Fat%	Total Solids%	Total N Protein%	CALCULATED VALUES**					HPLC Lactose%
				True Protein%	Casein%	Rowland Index	SNF%	Other Solids%	
1	0.11	18.18	6.98	6.63	5.63	15.04	18.08	11.10	9.01
2	0.11	19.80	7.52	7.13	6.08	14.78	19.69	12.17	10.00
3	0.13	20.82	7.99	7.59	6.47	14.73	20.69	12.69	10.56
4	0.14	22.41	8.61	8.18	6.96	14.82	22.27	13.66	11.62
5	0.15	24.20	9.25	8.78	7.47	14.91	24.05	14.80	12.46
6	0.16	26.43	10.18	9.66	8.22	14.92	26.27	16.09	13.55
7	0.16	27.81	10.66	10.13	8.64	14.70	27.65	16.99	14.07
8	0.16	29.89	11.44	10.86	9.26	14.78	29.74	18.30	15.29
9	0.16	30.79	11.85	11.25	9.62	14.45	30.63	18.79	15.57
10	0.17	31.74	12.15	11.54	9.81	14.95	31.56	19.42	16.37
11	0.23	33.28	12.47	11.83	10.00	15.49	33.05	20.57	17.06
12	0.24	34.74	12.90	12.25	10.34	15.56	34.50	21.59	17.62
Average 1-12	0.16	26.67	10.17	9.65	8.21	14.93	26.51	16.35	13.60

All Results Are The Average Of At Least Duplicate Analysis.

Bruce Kuechle, Technical Director

References:

SMEDP 15.8F, 15.12B, 15.10C
AOAC 989.05, 991.20, 991.21, 991.23, 990.20, 990.21

**Calculations:

SNF% = Total Solids% - Fat%
Other Solids% = Total Solids% - Fat% - Total N Protein%
True Protein% = Total Protein% - Non-Protein Nitrogen%
Casein% = Total Protein% - Non-Casein Nitrogen%
Rowland Index = (True Protein% - Casein%) / True Protein%