

Condensed Skim Milk Chemical Results

Set: **250425** DATE: **06/16/25**

Sample Number	Mojonnier Fat%	Total Solids%	Total N Protein%	CALCULATED VALUES**					HPLC Lactose%
				True Protein%	Casein%	Rowland Index	SNF%	Other Solids%	
1	0.09	18.08	6.70	6.34	5.49	13.51	17.99	11.28	9.35
2	0.13	19.63	7.37	6.98	6.03	13.63	19.50	12.13	10.04
3	0.14	20.90	7.75	7.34	6.35	13.44	20.76	13.01	10.48
4	0.14	22.55	8.36	7.92	6.84	13.65	22.40	14.04	11.23
5	0.14	24.17	9.02	8.54	7.36	13.81	24.03	15.01	12.22
6	0.14	26.32	9.84	9.33	8.02	13.97	26.18	16.35	13.27
7	0.15	28.31	10.50	9.95	8.60	13.59	28.16	17.66	14.18
8	0.17	30.52	11.34	10.75	9.29	13.58	30.35	19.01	15.29
9	0.17	31.64	11.79	11.17	9.66	13.59	31.47	19.67	15.54
10	0.17	32.59	12.21	11.57	9.99	13.64	32.42	20.21	16.02
11	0.21	33.01	12.12	11.48	9.81	14.56	32.81	20.69	16.27
12	0.21	33.96	12.77	12.15	10.51	13.46	33.74	20.98	16.19
Average 1-12	0.15	26.80	9.98	9.46	8.16	13.70	26.65	16.67	13.34

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%