

Condensed Skim Milk Chemical Results

Set: **250431** DATE: **07/28/25**

Sample Number	Mojonnier Fat%	Total Solids%	Total N Protein%	CALCULATED VALUES**					HPLC Lactose%
				True Protein%	Casein%	Rowland Index	SNF%	Other Solids%	
1	0.11	17.78	6.76	6.44	5.56	13.70	17.67	10.91	9.25
2	0.12	19.34	7.25	6.91	5.93	14.20	19.22	11.96	9.78
3	0.14	19.82	7.41	7.07	6.09	13.88	19.67	12.26	10.26
4	0.16	21.42	8.07	7.69	6.65	13.43	21.26	13.19	10.86
5	0.17	23.44	8.81	8.39	7.29	13.15	23.28	14.46	11.95
6	0.18	25.71	9.65	9.18	7.92	13.66	25.54	15.89	13.27
7	0.17	29.35	10.97	10.44	9.06	13.28	29.17	18.20	14.80
8	0.19	27.77	10.34	9.83	8.51	13.48	27.58	17.24	14.40
9	0.21	30.19	11.37	10.84	9.43	13.02	29.98	18.60	15.51
10	0.20	32.43	12.11	11.54	9.99	13.40	32.22	20.11	16.72
11	0.23	33.55	12.54	11.94	10.29	13.78	33.32	20.78	17.25
12	0.24	35.09	13.10	12.48	10.77	13.67	34.86	21.76	18.04
Average 1-12	0.18	26.32	9.86	9.40	8.12	13.55	26.15	16.28	13.51

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%