

Condensed Skim Milk Chemical Results

Set: **250445** DATE: **11/03/25**

Sample Number	Mojonnier Fat%	Total Solids%	Total N Protein%	CALCULATED VALUES**					HPLC Lactose%
				True Protein%	Casein%	Rowland Index	SNF%	Other Solids%	
1	0.12	17.71	6.99	6.65	5.74	13.77	17.59	10.60	8.50
2	0.13	19.37	7.64	7.28	6.25	14.06	19.24	11.61	9.38
3	0.14	20.61	8.06	7.68	6.62	13.83	20.46	12.40	10.04
4	0.16	22.16	8.74	8.33	7.18	13.82	22.00	13.26	10.65
5	0.18	24.04	9.39	8.94	7.69	14.00	23.86	14.47	11.38
6	0.19	25.97	10.13	9.65	8.28	14.15	25.79	15.66	12.67
7	0.19	27.96	10.88	10.35	8.90	14.02	27.78	16.90	13.16
8	0.20	30.07	11.72	11.16	9.63	13.74	29.87	18.15	14.59
9	0.20	31.29	12.18	11.59	10.01	13.67	31.09	18.91	15.30
10	0.20	32.21	12.63	12.02	10.34	13.99	32.01	19.38	15.85
11	0.20	32.71	12.79	12.19	10.48	13.96	32.50	19.71	15.63
12	0.23	34.12	13.31	12.68	10.89	14.11	33.90	20.59	16.56
Average 1-12	0.18	26.52	10.37	9.88	8.50	13.93	26.34	15.97	12.81

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%