

Condensed Skim Milk Chemical Results

5205 Quincy Street, Mounds View, MN 55112
Phone: 763-785-0484, Fax 763-785-0584

Set: **200403** DATE: **01/20/20**

Sample Number	Mojonnier Fat%	Total Solids%	Total N Protein%	CALCULATED VALUES**					HPLC Lactose%
				True Protein%	Casein%	Rowland Index	SNF%	Other Solids%	
1	0.15	17.76	6.74	6.40	5.44	14.99	17.61	10.86	9.73
2	0.16	19.35	7.34	6.97	5.99	13.97	19.19	11.85	10.54
3	0.18	20.58	7.80	7.41	6.33	14.62	20.40	12.60	11.14
4	0.20	22.12	8.40	7.98	6.84	14.30	21.92	13.52	12.25
5	0.18	23.85	9.12	8.66	7.45	14.01	23.66	14.55	13.20
6	0.18	25.73	9.84	9.35	7.95	15.00	25.55	15.71	15.66
7	0.21	27.66	10.56	10.03	8.49	15.34	27.45	16.89	15.78
8	0.20	29.87	11.38	10.80	9.17	15.08	29.67	18.29	16.25
9	0.23	31.07	11.82	11.22	9.59	14.50	30.84	19.01	17.56
10	0.23	32.13	12.24	11.63	9.85	15.31	31.90	19.66	18.10
11	0.24	32.59	12.45	11.82	10.12	14.37	32.36	19.91	18.16
12	0.27	34.06	12.93	12.26	10.41	15.12	33.79	20.85	18.44
Average 1-12	0.20	26.40	10.05	9.54	8.14	14.72	26.19	16.14	14.73

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%