

Raw Lowfat Milk Samples Chemical Results

Set: 250234 DATE: 08/18/25

Sample Number	Mojonnier Fat%	Total Solids%	Total N Protein%	CALCULATED VALUES**				Titratable Acidity as Lactic Acid%
				True Protein%	SNF%	Other Solids%	By Diff. Lactose%	
1	0.05	9.32	3.39	3.20	9.27	5.88	5.14	0.11
2	0.24	9.41	3.31	3.13	9.17	5.86	5.13	0.12
3	0.49	9.65	3.30	3.12	9.16	5.85	5.10	0.11
4	0.75	9.91	3.30	3.12	9.16	5.85	5.10	0.12
5	1.00	10.13	3.32	3.13	9.13	5.81	5.08	0.11
6	1.31	10.58	3.39	3.21	9.27	5.88	5.14	0.11
7	1.71	10.94	3.36	3.18	9.23	5.87	5.13	0.11
8	1.99	11.21	3.33	3.14	9.22	5.89	5.16	0.11
9	2.31	11.46	3.30	3.12	9.15	5.84	5.12	0.11
10	2.65	11.75	3.27	3.09	9.10	5.83	5.10	0.11
11	3.20	12.25	3.27	3.09	9.06	5.79	5.06	0.11
12	3.47	12.50	3.24	3.05	9.03	5.78	5.06	0.12
Average 1-12	1.60	10.76	3.32	3.13	9.16	5.84	5.11	0.11

Fortified Samples

13	0.05	9.68	3.51	3.32	9.63	6.11	5.32	0.11
14	1.04	12.27	4.13	3.91	11.23	7.10	6.17	0.13
15	2.01	12.25	3.79	3.57	10.24	6.45	5.61	0.13
16	3.49	12.53	3.32	3.13	9.04	5.73	4.98	0.11
Average 13-16	1.65	11.68	3.69	3.48	10.04	6.35	5.52	0.12
Average 1-16	1.61	10.99	3.41	3.22	9.38	5.97	5.21	0.12

All Results Are The Average Of At Least Duplicate Analysis.

Bruce Kuechle, Technical Director

References:

SMEDP 15.086, 15.114, 15.131, 15.133

AOAC 989.05, 991.20, 991.21, 991.23, 990.20, 990.21

**Calculations:

By Diff. Lactose% = Total Solids% - Fat% - Total N Protein% - Ash%

SNF% = Total Solids% - Fat%

Other Solids% = Total Solids% - Fat% - Total N Protein%

True Protein% = Total Protein% - Non-Protein Nitrogen%