



Eastern Laboratory Services

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Certificate of Analysis
REFERENCE MATERIAL : RAW MILK
FATTY ACIDS PROFILE
Lot: ProAG-02-2025
Production date : 2025-02-04
Use before : 2025-03-11

Weight / Weight (%)								
	1	2	3	4	5	6	7	8
Fat	2.99	3.39	4.27	4.49	4.84	5.08	6.39	5.47
Total FA	2.65	3.00	3.86	3.96	4.25	4.48	5.61	4.77

QMR-153								
Sample	C14:0	C16:0	C18:0	C18:1	SCFA	MCFA	LCFA	
1	0.31	0.89	0.25	0.52	0.28	1.37	0.83	
2	0.34	1.00	0.26	0.62	0.31	1.54	0.95	
3	0.44	1.30	0.34	0.81	0.40	1.99	1.23	
4	0.48	1.32	0.35	0.76	0.43	2.07	1.19	
5	0.51	1.40	0.41	0.83	0.47	2.20	1.33	
6	0.55	1.56	0.41	0.77	0.51	2.44	1.26	
7	0.69	1.90	0.53	1.06	0.61	2.96	1.69	
8	0.61	1.68	0.44	0.74	0.56	2.64	1.27	

Sample	SFA	UFA	MUFA	PUFA	De Novo	Mixed	Preformed	
1	1.89	0.70	0.61	0.09	0.73	0.94	0.92	
2	2.09	0.84	0.73	0.11	0.82	1.06	1.06	
3	2.70	1.08	0.94	0.14	1.04	1.37	1.37	
4	2.84	1.04	0.90	0.14	1.14	1.40	1.35	
5	3.05	1.12	0.97	0.15	1.23	1.47	1.47	
6	3.34	1.05	0.91	0.14	1.34	1.64	1.42	
7	4.07	1.43	1.25	0.18	1.62	2.00	1.89	
8	3.64	1.03	0.89	0.14	1.49	1.76	1.44	

Date tested : 2025-02-06 + 2025-02-12

Intended use : To be used as RM for the calibration of infrared instruments.

Instruction : This RM should be immediately stored to maintain a temperature between 2 and 8°C. It is recommended to heat this RM at 40°C before use for proper homogenisation of fat and samples should be discarded after use.

Normal use of this RM fulfills the traceability requirements of ISO-17025.

Homogeneity and stability studies are available for this RM.

Where provided, uncertainty corresponds to the expanded uncertainty at a confidence level of 95% using a coverage factor of k=2.

Jean-Philippe Angers, M.Sc, Chimiste
Date: 2025-02-14

Notes
If applicable, this version replaces all previous issues.
This document is confidential.
Results and comments, if applicable, are only related to the above samples.
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End of report