



ASSOCIAZIONE ITALIANA ALLEVATORI

LABORATORIO STANDARD LATTE

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G16-M01

EDIZ. 04 REV. 01

DATA 31/12/2013

REFERENCE MATERIAL CERTIFICATE

RAW SHEEP MILK

BATCH MRP300124

Exp Date 08/02/2024

n°	Fat g/100g	¹ ± U g/100g	⁶ Protein g/100g	¹ ± U g/100g	⁷ Lactose g/100g	¹ ± U g/100g	Casein g/100g	¹ ± U g/100g	Urea mg/dl	¹ ± U mg/dl	⁴ Homo g/100g
1/9	7,86	0,03 ² CI= 0,014 ³ Obs = 12	4,74	0,02 ² CI= 0,008 ³ Obs = 16	5,52	0,02 ² CI= 0,008 ³ Obs = 15	3,74	0,03 ² CI= 0,013 ³ Obs = 13			0,0092
2/9	7,52	0,02 ² CI= 0,012 ³ Obs = 14	4,88	0,01 ² CI= 0,006 ³ Obs = 15	5,44	0,01 ² CI= 0,007 ³ Obs = 15	3,82	0,02 ² CI= 0,010 ³ Obs = 13			0,0000
3/9	7,18	0,02 ² CI= 0,012 ³ Obs = 15	5,02	0,02 ² CI= 0,008 ³ Obs = 16	5,35	0,01 ² CI= 0,007 ³ Obs = 14	3,91	0,02 ² CI= 0,009 ³ Obs = 13			0,0000
4/9	6,49	0,02 ² CI= 0,010 ³ Obs = 15	5,31	0,02 ² CI= 0,006 ³ Obs = 16	5,19	0,02 ² CI= 0,005 ³ Obs = 14	4,08	0,02 ² CI= 0,005 ³ Obs = 12			0,0117
5/9	6,15	0,02 ² CI= 0,010 ³ Obs = 15	5,45	0,01 ² CI= 0,006 ³ Obs = 15	5,11	0,01 ² CI= 0,005 ³ Obs = 15	4,17	0,01 ² CI= 0,005 ³ Obs = 13	44,87	0,21 ² CI= 0,107 ³ Obs = 4	0,0041
6/9	5,81	0,02 ² CI= 0,010 ³ Obs = 15	5,59	0,02 ² CI= 0,006 ³ Obs = 15	5,03	0,02 ² CI= 0,004 ³ Obs = 15	4,26	0,02 ² CI= 0,005 ³ Obs = 12			0,0089
7/9	5,47	0,02 ² CI= 0,010 ³ Obs = 17	5,73	0,01 ² CI= 0,007 ³ Obs = 16	4,95	0,01 ² CI= 0,005 ³ Obs = 14	4,34	0,01 ² CI= 0,007 ³ Obs = 12			0,0040
8/9	5,12	0,02 ² CI= 0,010 ³ Obs = 15	5,87	0,02 ² CI= 0,007 ³ Obs = 15	4,87	0,02 ² CI= 0,005 ³ Obs = 15	4,43	0,02 ² CI= 0,008 ³ Obs = 12			0,0084
9/9	4,44	0,02 ² CI= 0,009 ³ Obs = 17	6,16	0,01 ² CI= 0,007 ³ Obs = 15	4,71	0,01 ² CI= 0,006 ³ Obs = 15	4,60	0,03 ² CI= 0,013 ³ Obs = 14			0,0053
⁵ ± average U g/100g		0,02		0,02		0,02		0,02			

¹U = is the expanded measurement uncertainty, using a coverage factor of 2 (k) which gives a level of confidence of approximately 95 % (p).²CI=confidence interval: SR/√obs³Obs= number of observations⁴Homo= homogeneity, conforming to ISO 13528 - Stastical Methods for Use in Proficiency Testing by Interlaboratory Comparisons, has been calculated analyzing for fat content the 10% of milk samples according to the ISO 9622 IDF 141C

Laboratorio Standard Latte analyses for fat, protein, casein, urea and lactose content according to the following reference methods: fat ISO 23318/IDF 249, protein ISO 8968 -1/IDF 20-1, casein ISO 17997-1/IDF 29 - 1 or ISO 17997-1/IDF 29 - 2, urea ISO 14637/IDF 195, lactose ISO 26462/IDF 214.

⁵average U = expanded measurement uncertainty calculated by the mean values of the samples of the batch MRP300124⁶Protein = crude protein ⁷Lactose = Anhydroous lactose

Maccarese, 01/02/2024

Laboratory Responsible
Dott.ssa Annunziata Fontana