



ASSOCIAZIONE ITALIANA ALLEVATORI

LABORATORIO STANDARD LATTE

Via Dell'Industria snc - 00054 Maccarese (Roma)

Tel. 066678830 - Fax 066678811 - e mail lsl@aia.it

G16-M01

EDIZ. 04 REV. 01

DATA 31/12/2013

REFERENCE MATERIAL CERTIFICATE

RAW BUFFALO MILK

BATCH MRB120324

Exp Date 21/03/2024

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	8,14	0,03 ² CI= 0,013 ³ Obs = 12	3,82	0,01 ² CI= 0,006 ³ Obs = 13	5,62	0,01 ² CI= 0,007 ³ Obs = 12	3,12	0,02 ² CI= 0,009 ³ Obs = 9			0,0063
2/9	7,83	0,03 ² CI= 0,012 ³ Obs = 12	3,96	0,03 ² CI= 0,006 ³ Obs = 10	5,48	0,03 ² CI= 0,006 ³ Obs = 12	3,24	0,03 ² CI= 0,010 ³ Obs = 9			0,0132
3/9	7,38	0,02 ² CI= 0,012 ³ Obs = 13	4,16	0,02 ² CI= 0,006 ³ Obs = 12	5,28	0,02 ² CI= 0,005 ³ Obs = 12	3,40	0,02 ² CI= 0,009 ³ Obs = 9			0,0104
4/9	6,87	0,03 ² CI= 0,014 ³ Obs = 12	4,41	0,01 ² CI= 0,006 ³ Obs = 12	5,05	0,01 ² CI= 0,005 ³ Obs = 12	3,59	0,02 ² CI= 0,010 ³ Obs = 10			0,0066
5/9	6,55	0,03 ² CI= 0,015 ³ Obs = 13	4,57	0,01 ² CI= 0,007 ³ Obs = 14	4,90	0,01 ² CI= 0,004 ³ Obs = 12	3,71	0,02 ² CI= 0,009 ³ Obs = 10			0,0000
6/9	6,22	0,03 ² CI= 0,014 ³ Obs = 13	4,72	0,01 ² CI= 0,007 ³ Obs = 13	4,76	0,01 ² CI= 0,004 ³ Obs = 12	3,84	0,01 ² CI= 0,007 ³ Obs = 10			0,0000
7/9	5,88	0,02 ² CI= 0,011 ³ Obs = 12	4,88	0,01 ² CI= 0,007 ³ Obs = 13	4,61	0,01 ² CI= 0,005 ³ Obs = 12	3,96	0,01 ² CI= 0,006 ³ Obs = 10			0,0053
8/9	5,56	0,02 ² CI= 0,008 ³ Obs = 11	5,04	0,01 ² CI= 0,005 ³ Obs = 12	4,46	0,01 ² CI= 0,005 ³ Obs = 12	4,08	0,01 ² CI= 0,005 ³ Obs = 10			0,0058
9/9	4,88	0,02 ² CI= 0,012 ³ Obs = 13	5,34	0,01 ² CI= 0,006 ³ Obs = 13	4,16	0,01 ² CI= 0,005 ³ Obs = 11	4,31	0,01 ² CI= 0,005 ³ Obs = 10			0,0000
⁵ ± average U g/100g		0,03		0,02		0,01		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 MRB120324⁶Protein = crude protein ⁷Lactose = Anhydrous lactose

Maccarese, 14/03/2024

Laboratory Responsible
Dott.ssa Annunziata Fontana