Labmix24 GmbH
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Soy Milk

Art. ID	NIST-3235
Unit	10 x 10 mL
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for validation of methods for determining vitamins, elements, proximates, fatty acids, and amino acids in soy milk and similar materials. This SRM can also be used for quality assurance when assigning values to in-house reference materials. The SRM is a soy milk prepared by a commercial manufacturer. A unit of NIST-3235 consists of 10 ampoules, each containing approximately 10 mL of material. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction Value	Calcium (Ca)	[7440-70-2]	1219 ± 38	mg/kg		
Certified Mass Fraction Value	Copper (Cu)	[7440-50-8]	0,976 ± 0,022	mg/kg		
Certified Mass Fraction Value	Magnesium (Mg)	[7439-95-4]	170,4 ± 4,9	mg/kg		
Certified Mass Fraction Value	Manganese (Mn)	[7439-96-5]	1,907 ± 0,094	mg/kg		
Certified Mass Fraction Value	Phosphorus (P)	[7723-14-0]	392 ± 28	mg/kg		
Certified Mass Fraction Value	Potassium (K)	[7440-09-7]	1357 ± 20	mg/kg		
Certified Mass Fraction Value	Sodium (Na)	[7440-23-5]	488,2 ± 7,0	mg/kg		
Certified Mass Fraction Value	Zinc (Zn)	[7440-66-6]	2,58 ± 0,19	mg/kg		
Certified Mass Fraction Value	Riboflavin (Vitamin B2)	[83-88-5]	2,23 ± 0,40	mg/kg		
Certified Mass Fraction Value	Pantothenic Acid (Vitamin B5)		0,92 ± 0,16	mg/kg		
Certified Mass Fraction Value	Ergocalciferol (Vitamin D2)	[50-14-6]	0,0120 ± 0,0024	mg/kg		
Certified Mass Fraction Value	gamma-Tocopherol (Vitamin E)		7,5 ± 1,6	mg/kg		
Certified Mass Fraction Value	delta-Tocopherol (Vitamin E)		6,1 ± 1,1	mg/kg		
Certified Mass Fraction	Iron (Fe)	[7439-89-6]	5,2 ± 1,2	mg/kg		

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Value				
Reference Mass Fraction Value	Pyridoxine (Vitamin B6)	[65-23-6]	0,02573 ± 0,00061	mg/kg
Reference Mass Fraction Value	Cyanocobalamin (Vitamin B12)	[68-19-9]	0,0147 ± 0,0011	mg/kg
Reference Mass Fraction Value	Retinol (Vitamin A)	[68-26-8]	0,662 ± 0,079	mg/kg
Reference Mass Fraction Value	Phylloquinone (Vitamin K)		0,0370 ± 0,0035	mg/kg
Reference Value	Solids		8,30 ± 0,05	g/100 g
Reference Value	Ash		0,66 ± 0,04	g/100 g
Reference Value	Protein		2,57 ± 0,06	g/100 g
Reference Value	Carbohydrates		3,20 ± 0,37	g/100 g
Reference Value	Fat (as the sum of fatty acids as triglycerides)		1,70 ± 0,05	g/100 g
Reference Value	Total Sugars		2,19 ± 0,15	g/100 g
Reference Value	Calories		39 ± 1	kcal/100 g
Reference Mass Fraction Value	Hexadecanoic acid (Palmitic acid) (C16:0)	[57-10-3]	0,1800 ± 0,0059	g/100 g
Reference Mass Fraction Value	(Z)-9-Octadecenoic acid (Oleic acid) (C18:1 n-9)	[112-80-1]	0,336 ± 0,020	g/100 g
Reference Mass Fraction Value	Total cis-C18:1		0,355 ± 0,022	g/100 g
Reference Mass Fraction Value	(Z,Z)-9,12-Octadecadienoic acid (Linoleic acid) (C18:2 n-6)	[60-33-3]	0,876 ± 0,034	g/100 g
Reference Mass Fraction Value	Total cis-C18:2		0,880 ± 0,024	g/100 g
Reference Mass Fraction Value	(Z,Z,Z)-9,12,15-Octadecatrienoic acid (alpha-Linolenic acid) (C18:3 n-3)	[463-40-1]	0,1430 ± 0,0030	g/100 g
Reference Mass Fraction Value	Saturated Fat		0,266 ± 0,014	g/100 g
Reference Mass Fraction Value	cis-Monounsaturated Fat		0,350 ± 0,010	g/100 g

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Reference Mass Fraction Value	cis-Polyunsaturated Fat		1,010 ± 0,028	g/100 g
Reference Mass Fraction Value	Total omega-3 Fatty Acids		0,1400 ± 0,0045	g/100 g
Reference Mass Fraction Value	Total omega-6 Fatty Acids		0,870 ± 0,023	g/100 g
Reference Mass Fraction Value	Alanine	[302-72-7]	0,122 ± 0,003	g/100 g
Reference Mass Fraction Value	Arginine		0,22 ± 0,02	g/100 g
Reference Mass Fraction Value	Aspartic Acid	[56-84-8]	0,33 ± 0,01	g/100 g
Reference Mass Fraction Value	Glutamic acid		0,53 ± 0,02	g/100 g
Reference Mass Fraction Value	Glycine	[56-40-6]	0,117 ± 0,007	g/100 g
Reference Mass Fraction Value	Histidine		0,070 ± 0,007	g/100 g
Reference Mass Fraction Value	Isoleucine		0,13 ± 0,02	g/100 g
Reference Mass Fraction Value	Leucine		0,217 ± 0,005	g/100 g
Reference Mass Fraction Value	Lysine		0,18 ± 0,02	g/100 g
Reference Mass Fraction Value	Methionine	[63-68-3]	0,037 ± 0,004	g/100 g
Reference Mass Fraction Value	Phenylalanine	[63-91-2]	0,142 ± 0,007	g/100 g
Reference Mass Fraction Value	Proline		0,141 ± 0,008	g/100 g
Reference Mass Fraction Value	Serine		0,150 ± 0,004	g/100 g
Reference Mass Fraction Value	Threonine		0,109 ± 0,006	g/100 g
Reference Mass Fraction Value	Tryptophan	[54-12-6]	0,040 ± 0,002	g/100 g
Reference Mass Fraction Value	Tyrosine	[60-18-4]	0,109 ± 0,005	g/100 g

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