

Whole Milk Powder - Proximates, fatty acids, cholesterol, vitamins, elements, and amino acids

Art. ID NIST-1549a
Unit 5 pouches x 10 g
Deliverydetails No Dangerous Good /not restricted

Description

The certified values delivered by this Standard Reference Material (SRM) are intended for validating methods for determining elements, vitamins, and cholesterol in whole milk powder and similar materials and for quality assurance when assigning values to in-house control materials. NIST-1549a consists of five heat sealed aluminized packets, each containing approximately 10 g of material. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value	Barium (Ba)	[7440-39-3]	0,566 ± 0,039	mg/kg		
Certified value	Calcium (Ca)	[7440-70-2]	8810 ± 240	mg/kg		
Certified value	Magnesium (Mg)	[7439-95-4]	892 ± 62	mg/kg		
Certified value	Manganese (Mn)	[7439-96-5]	0,184 ± 0,024	mg/kg		
Certified value	Phosphorus (P)	[7723-14-0]	7600 ± 500	mg/kg		
Certified value	Potassium (K)	[7440-09-7]	11920 ± 430	mg/kg		
Certified value	Selenium (Se)	[7782-49-2]	0,242 ± 0,026	mg/kg		
Certified value	Sodium (Na)	[7440-23-5]	3176 ± 58	mg/kg		
Certified value	Strontium (Sr)	[7440-24-6]	2,14 ± 0,19	mg/kg		
Certified value	Zinc (Zn)	[7440-66-6]	33,8 ± 2,3	mg/kg		
Certified value	Riboflavin (Vitamin B2)	[83-88-5]	10,6 ± 1,9	mg/kg		
Certified value, Niacin amide was the only form of vitamin B3 detected	Niacinamide (Vitamin B3)	[98-92-0]	5,91 ± 0,39	mg/kg		
Certified value	Pantothenic Acid (Vitamin B5)		33,7 ± 2,7	mg/kg		
Certified value	Pyridoxal		1,72 ± 0,16	mg/kg		
Certified value	Pyridoxamine		0,259 ± 0,023	mg/kg		
Certified value, NIST measured pyridoxal and pyridoxamine individually, and pyridoxamine was mathematically converted to pyridoxal by multiplication by the ratio of the relative molecular masses	Total Vitamin B6 as Pyridoxal		1,97 ± 0,16	mg/kg		

Certified value	Cholesterol	[57-88-5]	0,981 ± 0,071	mg/g
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