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Baby Food Composite -Water-Soluble Vitamins, Elements

Art. ID	NIST-2383a
Unit	4 x 70 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for use in validating methods for determining proximates, calories, vitamins, and elements in food matrices. This SRM® can also be used for quality assurance when assigning values to in-house control materials. The baby food composite is a mixture of fruits, vegetables, macaroni, rice flour, and milk powder. A unit of NIST-2383a consists of four jars, each containing approximately 70 g of material. Reference values for selected water-soluble vitamins, elements and for proximates, sugars, total dietary fiber, and calories. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Free Thiamine Chloride Hydrochloride		0,976 ± 0,014	mg/kg		
	(-)-Riboflavin (Vitamin B2)	[83-88-5]	0,56 ± 0,15	mg/kg		
	Niacin	[59-67-6]	1,79 ± 0,04	mg/kg		
	Niacinamide	[98-92-0]	3,59 ± 0,06	mg/kg		
	Free Vitamin B3 (as Niacinamide)	[98-92-0]	5,36 ± 0,10	mg/kg		
	Pantothenic acid		1,64 ± 0,02	mg/kg		
	Pyridoxine (Vitamin B6) hydrochloride	[58-56-0]	0,063 ± 0,002	mg/kg		
	Pyridoxamine dihydrochloride	[524-36-7]	0,228 ± 0,003	mg/kg		
	Free Vitamin B6 (as Pyridoxine Hydrochloride)	[58-56-0]	0,330 ± 0,004	mg/kg		
	Barium (Ba)	[7440-39-3]	0,278 ± 0,020	mg/kg		
	Calcium (Ca)	[7440-70-2]	342,6 ± 5,0	mg/kg		
	Cobalt (Co)	[7440-48-4]	0,048 ± 0,005	mg/kg		
	Copper (Cu)	[7440-50-8]	0,758 ± 0,082	mg/kg		
	Iron (Fe)	[7439-89-6]	4,42 ± 0,51	mg/kg		
	Magnesium (Mg)	[7439-95-4]	212,2 ± 4,0	mg/kg		
	Manganese (Mn)	[7439-96-5]	0,963 ± 0,064	mg/kg		
	Phosphorus (P)	[7723-14-0]	453 ± 11	mg/kg		
	Potassium (K)	[7440-09-7]	2910 ± 220	mg/kg		
	Sodium (Na)	[7440-23-5]	195 ± 29	mg/kg		
	Strontium (Sr)	[7440-24-6]	4,445 ± 0,047	mg/kg		

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Zinc (Zn)	[7440-66-6]	2,22 ± 0,18	mg/kg