

110.1 - Foods and Beverages

These SRMs are intended for validation of analytical procedures and calibration of apparatus used in the analysis of trace elements and other analytes in foods and related products.

For Related SRMs
see: [Table 110.9](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

- Certified values are normal font
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2383a 2384

Baby
Food Baking
Composite Chocolate
(4 x 70 g) (5 x 91 g)

2383a		2384	
X			
0.705		2.78	
89.0		631.0	
19.41			
		14.5	
X		X	
		51.4	
X		X	
1.96		13.18	
22.45		98.37	
0.29			

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110.1(1)- Macro- and Micronutrients

SRM	1546a	1548a	1549a	1566b	1567b	1568b	1570a	1577c	1845a	1849a	1869	1946	1947
Description	Meat Homogenate	Typical Diet	Whole Milk Powder	Oyster Tissue	Wheat Flour	Rice Flour	Spinach Leaves	Bovine Liver	Whole Egg Powder	Infant/Adult Nutritional Formula I (milk-based)	Infant/Adult Nutritional Formula II (milk/whey/soy-based)	Lake Superior Fish Tissue	Lake Michigan Fish Tissue
Unit Size	(4 cans x 85 g)	(set (2))	(5 pouches x 10 g each)	(25 g)	(50 g)	(50 g)	(60 g)	(20 g)	(5 pouches x 10 g each)	(10 pouches x 10 g each)	(10 pouches x 10 g each)	(5 x 7-9 grams)	(5 x 8 grams)
Values listed are expressed as mass fractions in percent (%) unless noted with * for mg/g or noted in the row heading. "X" indicates parameter is characterized (see certificate).													
Amino Acids			X						X	X	X		
Ash	3.09	4.042	5.625	3.87					5.498	4.695	3.421	1.10	1.07
Calories (kcal/100g)	242	481	502.2						581.2	520.8	461.4	159	152
Carbohydrates	1.65	58.36	38.43						4.6	51.6	60.3	(0.93)	(0.9)
Cholesterol	0.717*		0.981*						17.67*	X	0.1302*		
Dietary Fiber-Total				6.5									
Elements	X	X	X	X	X	X	X	X	X	X	X	X	X
Fat		19.41											
Fat (extracted)										30.43	18.97	10.17	10.4
Fatty Acids	X		X						X	X	X	X	X
Moisture				4.6								71.4	
Nitrate (NO ₃)													
Protein	15.68	18.08	25.64	42.6					43.32	13.225	14.498	17.8	17.0
Solids	39.73		96.92	95.4					95.87	98.28	96.63	28.6	27.1
Sum of Fatty Acids (as triglycerides)	18.96		26.98						4.34	29.10	17.9	8.76	8.50
Vitamins	X		X					X	X	X	X		

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8260
Infant
Nutritional
Formula
(hydrolyzed
milk-based)
(400 g)

X
X
(27)
X
(2)
(12)
(98)
X

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SRM	2385	2387	3035	3233	3234	3252	3253	3254	3255	3281	3282	3287	3290	3530
Description														
Unit Size	(4 x 70 g)	(3 x 170 g)	(5 x 1.5 mL)	(60 g each)	(50 g)	(5 pouches x 10 g each)	(2 x 10 g)	(5 x 3 g)	(5 x 1 g)	(5 x 6 g)	(5 x 1.2 mL)	(5 pouches x 5 g each)	(5 pouches x 10 g each)	(1 bottle x 200 g)

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Amino Acids		X		X	X	X						X	X	
Ash	0.97	3.10		11.87	6.77	10.77	5.81			4.89		1.126	7.343	
Calories (kcal/100g)	18.16	629		362.4	377.7	381.2	402			376		392	431.3	
Carbohydrates	2.73	25.0		77.88	37.14	15.31	77.8			81.6		91.92	46.30	
Cholesterol						0.5077*								
Dietary Fiber-Total	1.55	5.57		12.24	18.19	6.22						18.4	11.99	
Elements	X	X	X	X	X	X		X	X	X	X		X	X
Fat							5.4					1.40	13.95	
Fat (extracted)		51.6												
Fatty Acids		X			X	X							X	
Moisture														
Nitrate (NO ₃)	X													
Protein	1.42	22.2		7.25	53.37	66.92						3.43	32.77	
Solids	5.28	99.2								90.9		98.59		
Sum of Fatty Acids (as triglycerides)	0.20	49.8		2.02	1.49	5.81								
Vitamins	X			X	X	X							X	

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3282

Low-Calorie
Cranberry
Juice
Cocktail
(5 x 1.2 mL)

2.08

0.85

x

x

x

2.86

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110.1(2)- Other Components of Potential Interest

SRM	1565	1566b	1849a	1869	1946	1947	2387	3233	3234	3253	3254	3255	3278	3281
Description	Mycotoxins in Corn	Oyster Tissue	Infant/Adult Nutritional Formula I (milk-based)	Infant/Adult Nutritional Formula II (milk/whey/soy-based)	Lake Superior Fish Tissue	Lake Michigan Fish Tissue	Peanut Butter	Fortified Breakfast Cereal	Soy Flour	Yerba Mate Leaves	Green Tea (Camellia sinensis) Leaves	Green Tea (Camellia sinensis) Extract	Tocopherols in Edible Oils	Cranberry (Fruit)
Unit Size	(2 x 60 g)	(25 g)	(10 pouches x 10 g each)	(10 pouches x 10 g each)	(5 x 7-9 grams)	(5 x 8 grams)	(3 x 170 g)	(60 g each)	(50 g)	(2 x 10 g)	(5 x 3 g)	(5 x 1 g)	(5 x 1 mL)	(5 x 6 g)

Values listed are expressed as mass fractions in percent (%) unless noted with * for mg/kg or ** for kcal/100g. "X" indicates parameter is characterized (see certificate).

myo-Inositol			405.2*	358*										
Aflatoxins	X						X							
Antioxidant Capacity														X
Caffeine											X	X		
Catechins											X	X		
Contaminants					X	X								
Degree of Polymerization (DP)														
Fructose								0.81						4.27
Glucose				2.00				1.04						20.1
Isoflavones									X					
Lactose			47.6											
Maltose				2.64				0.46						
Methylmercury		X			X	X								
Mycotoxins	X													
Nucleotides			X	X										
Organic Acids														X
Phosphate (PO ₄ ³⁻)														
Polycyclic Aromatic Hydrocarbons (PAHs)										X				
Sucrose								13.42						
Sulfate (SO ₄ ²⁻)														

Values listed are expressed as mass fractions in percent (%) unless noted with * for mg/kg or ** for kcal/100g. "X" indicates parameter is characterized (see certificate).

Theobromine											X	X		
Tocopherols			X	X			X						X	
Total Sugars				32.5				15.8						26.2

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