

Dry Cat Food - Proximates, fatty acids, vitamins, elements, and amino acids

Art. ID	NIST-3290
Unit	5 pouches x 10 g each
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM) is intended primarily for use in validating methods for determining proximates, fatty acids, vitamins, elements, and amino acids in dry cat food and similar matrices. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction Value	Arsenic (As)	[7440-38-2]	0,146 ± 0,013	mg/kg		
Certified Mass Fraction Value	Barium (Ba)	[7440-39-3]	12,39 ± 0,32	mg/kg		
Certified Mass Fraction Value	Calcium (Ca)	[7440-70-2]	11230 ± 600	mg/kg		
Certified Mass Fraction Value	Cadmium (Cd)	[7440-43-9]	0,0384 ± 0,0013	mg/kg		
Certified Mass Fraction Value	Chlorine (Cl)	[7782-50-5]	8350 ± 200	mg/kg		
Certified Mass Fraction Value	Chromium (Cr)	[7440-47-3]	30,01 ± 0,37	mg/kg		
Certified Mass Fraction Value	Copper (Cu)	[7440-50-8]	18,35 ± 0,64	mg/kg		
Certified Mass Fraction Value	Iron (Fe)	[7439-89-6]	364 ± 15	mg/kg		
Certified Mass Fraction Value	Lead (Pb)	[7439-92-1]	0,440 ± 0,029	mg/kg		
Certified Mass Fraction Value	Magnesium (Mg)	[7439-95-4]	981 ± 84	mg/kg		
Certified Mass Fraction Value	Manganese (Mn)	[7439-96-5]	74,0 ± 6,8	mg/kg		
Certified Mass Fraction Value	Molybdenum (Mo)	[7439-98-7]	3,38 ± 0,25	mg/kg		
Certified Mass Fraction Value	Phosphorus (P)	[7723-14-0]	9320 ± 510	mg/kg		
Certified Mass Fraction Value	Potassium (K)	[7440-09-7]	7660 ± 250	mg/kg		

Certified Mass Fraction Value	Selenium (Se)	[7782-49-2]	0,548 ± 0,048	mg/kg
Certified Mass Fraction Value	Sodium (Na)	[7440-23-5]	5500 ± 230	mg/kg
Certified Mass Fraction Value	Strontium (Sr)	[7440-24-6]	15,63 ± 0,36	mg/kg
Certified Mass Fraction Value	Thiamine (Vitamin B1)	[59-43-8]	26,5 ± 3,0	mg/kg
Certified Mass Fraction Value	Riboflavin (Vitamin B2)	[83-88-5]	39,8 ± 5,6	mg/kg
Certified Mass Fraction Value	Niacinamide (Vitamin B3)	[98-92-0]	27,99 ± 0,22	mg/kg
Certified Mass Fraction Value	Niacin	[59-67-6]	181,0 ± 3,1	mg/kg
Certified Mass Fraction Value	Total Vitamin B3 as Niacinamide	[98-92-0]	218 ± 21	mg/kg
Certified Mass Fraction Value	Free Pyridoxamine (Vitamin B6)		0,737 ± 0,050	mg/kg
Certified Mass Fraction Value	Pyridoxal (Vitamin B6)		0,877 ± 0,025	mg/kg
Certified Mass Fraction Value	Pyridoxine (Vitamin B6)	[65-23-6]	27,38 ± 0,24	mg/kg
Certified Mass Fraction Value	Total Vitamin B6 as Pyridoxine		30,1 ± 3,2	mg/kg
Certified Mass Fraction Value	Biotin	[58-85-5]	1,42 ± 0,23	mg/kg
Certified Mass Fraction Value	Folic acid	[59-30-3]	6,0 ± 1,0	mg/kg
Certified Mass Fraction Value	Choline	[62-49-7]	2627 ± 12	mg/kg
Certified Mass Fraction Value	Carnitine	[541-15-1]	59,2 ± 1,3	mg/kg
Reference Mass Fraction Value	Iodine (I)	[7553-56-2]	3,38 ± 0,54	mg/kg
Reference Mass Fraction Value	Nickel (Ni)	[7440-02-0]	17,08 ± 0,72	mg/kg
Reference Mass Fraction Value	Zinc (Zn)	[7440-66-6]	226 ± 33	mg/kg

Reference Mass Fraction Value	Pantothenic Acid (Vitamin B5)		54 ± 11	mg/kg
Reference Mass Fraction Value	Free Cyanocobalamin (Vitamin B12)		0,095 ± 0,025	mg/kg
Reference Mass Fraction Value	Total Vitamin B12 by Microbiological Assay		0,176 ± 0,056	mg/kg
Reference Mass Fraction Value	Ascorbic acid (Vitamin C)	[50-81-7]	100,5 ± 1,4	mg/kg
Reference Mass Fraction Value	alpha-Tocopherol	[10191-41-0]	602 ± 55	mg/kg
Reference Mass Fraction Value	Octanoic Acid (C8:0) (Caprylic Acid)		0,00192 ± 0,00073	g/100 g
Reference Mass Fraction Value	Dodecanoic Acid (C12:0) (Lauric Acid)		0,0076 ± 0,0026	g/100 g
Reference Mass Fraction Value	Tetradecanoic Acid (C14:0) (Myristic Acid)		0,106 ± 0,016	g/100 g
Reference Mass Fraction Value	(Z)-9-Tetradecenoic Acid (C14:1) (Myristoleic Acid)		0,01756 ± 0,00061	g/100 g
Reference Mass Fraction Value	Pentadecanoic Acid (C15:0)	[1002-84-2]	0,01255 ± 0,00070	g/100 g
Reference Mass Fraction Value	Hexadecanoic Acid (C16:0) (Palmitic Acid)		2,60 ± 0,38	g/100 g
Reference Mass Fraction Value	Heptadecanoic Acid (C17:0) (Margaric Acid)		0,0193 ± 0,0014	g/100 g
Reference Mass Fraction Value	Heptadecenoic Acid (C17:1) (Margaroleic Acid)		0,0106 ± 0,0020	g/100 g
Reference Mass Fraction Value	Octadecanoic Acid (C18:0) (Stearic Acid)		0,69 ± 0,10	g/100 g
Reference Mass Fraction Value	(Z)-9-Octadecenoic Acid (C18:1 n-9) (Oleic Acid)		4,02 ± 0,12	g/100 g
Reference Mass Fraction Value	(Z)-11-Octadecenoic Acid (C18:1 n-7) (Vaccenic Acid)		0,2149 ± 0,0078	g/100 g
Reference Mass Fraction Value	Total cis-C18:1 Fatty Acids		4,203 ± 0,097	g/100 g
Reference Mass Fraction Value	Total trans-C18:1 Fatty Acids		0,0491 ± 0,0076	g/100 g

Value	Acids		
Reference Mass Fraction	(Z,Z)-9,12-Octadecadienic Acid (C18:2 n-6) (Linoleic Acid)	2,88 ± 0,15	g/100 g
Value			
Reference Mass Fraction	Total cis-C18:2 Fatty Acids	2,958 ± 0,069	g/100 g
Value			
Reference Mass Fraction	Total trans-C18:2 Fatty Acids	0,0251 ± 0,0088	g/100 g
Value			
Reference Mass Fraction	(Z,Z,Z)-9,12,15-Octadecatrienoic Acid (C18:3 n-3) (alpha-Linolenic Acid)	0,163 ± 0,012	g/100 g
Value			
Reference Mass Fraction	(Z,Z,Z)-6,9,12-Octadecatrienoic Acid (C18:3 n-6) (gamma-Linolenic Acid)	0,0199 ± 0,0012	g/100 g
Value			
Reference Mass Fraction	Octadecatetraenoic Acid (C18:4 n-3) (Stearidonic Acid)	0,0133 ± 0,0028	g/100 g
Value			
Reference Mass Fraction	Eicosanoic Acid (C20:0) (Arachidic Acid)	0,0224 ± 0,0013	g/100 g
Value			
Reference Mass Fraction	(Z)-11-Eicosenoic Acid (C20:1 n-9) (Gondoic Acid)	0,0393 ± 0,0014	g/100 g
Value			
Reference Mass Fraction	Total cis-C20:1 Fatty Acids	0,0473 ± 0,0099	g/100 g
Value			
Reference Mass Fraction	(Z,Z)-11,14-Eicosadienoic Acid (C20:2 n-6)	0,0220 ± 0,0073	g/100 g
Value			
Reference Mass Fraction	(Z,Z,Z,Z)-8,11,14,17-Eicosatetraenoic Acid (C20:4 n-3) (Arachidonic Acid)	0,069 ± 0,012	g/100 g
Value			
Reference Mass Fraction	(Z,Z,Z,Z,Z)-5,8,11,14,17-Eicosapentaenoic Acid (C20:5 n-3) (EPA)	0,0736 ± 0,0065	g/100 g
Value			
Reference Mass Fraction	Docosanoic Acid (C22:0) (Behenic Acid)	0,0152 ± 0,0057	g/100 g
Value			
Reference Mass Fraction	(Z)-13-Docosenoic Acid	0,00225 ± 0,00032	g/100 g

Value	(C22:1 n-9) (Erucic Acid)		
Reference Mass Fraction	Total cis-C22:4 Fatty Acids	0,0167 ± 0,0036	g/100 g
Value			
Reference Mass Fraction	(Z,Z,Z,Z)-7,10,13,16,19-Docosapentaenoic Acid (C22:5 n-3) (DPA)	0,01470 ± 0,00098	g/100 g
Value			
Reference Mass Fraction	(Z,Z,Z,Z,Z)-4,7,10,13,16,19-Docosahexaenoic Acid (C22:6 n-3) (DHA)	0,0540 ± 0,0019	g/100 g
Value			
Reference Mass Fraction	(Z)-15-Tetracosenoic Acid (C24:1) (Nervonic Acid) [506-37-6]	0,00277 ± 0,00028	g/100 g
Value			
Reference Mass Fraction	Saturated fatty acids	3,72 ± 0,13	g/100 g
Value			
Reference Mass Fraction	Cis-Monounsaturated Fatty Acids	4,94 ± 0,11	g/100 g
Value			
Reference Mass Fraction	Cis-Polyunsaturated Fatty Acids	3,43 ± 0,14	g/100 g
Value			
Reference Mass Fraction	Total Trans Fatty Acids	0,081 ± 0,024	g/100 g
Value			
Reference Mass Fraction	Total Omega-3 Fatty Acids	0,312 ± 0,055	g/100 g
Value			
Reference Mass Fraction	Total Omega-6 Fatty Acids	3,089 ± 0,082	g/100 g
Value			
Reference Mass Fraction	Ash	7,343 ± 0,062	g/100 g
Value			
Reference Mass Fraction	Protein	32,77 ± 0,30	g/100 g
Value			
Reference Mass Fraction	Carbohydrates	46,30 ± 0,87	g/100 g
Value			
Reference Mass Fraction	Crude Fiber [n/a]	4,18 ± 0,64	g/100 g
Value			
Reference Mass Fraction	Total Dietary Fiber	11,99 ± 0,84	g/100 g
Value			
Reference Mass Fraction	Fat (sum of fatty acids as triglycerides)	12,60 ± 0,42	g/100 g
Value			
Reference Mass Fraction	Fat (gravimetric)	13,95 ± 0,24	g/100 g

Value				
Reference Mass Fraction	Calories		431,3 ± 2,3	kcal/100 g
Value				
Reference Mass Fraction	Alanine	[302-72-7]	2,06 ± 0,22	g/100 g
Value				
Reference Mass Fraction	Arginine		1,78 ± 0,29	g/100 g
Value				
Reference Mass Fraction	Aspartic acid	[56-84-8]	2,40 ± 0,15	g/100 g
Value				
Reference Mass Fraction	L-Cystine	[56-89-3]	0,39 ± 0,16	g/100 g
Value				
Reference Mass Fraction	Glutamic Acid		5,27 ± 0,30	g/100 g
Value				
Reference Mass Fraction	Glycine	[56-40-6]	2,17 ± 0,18	g/100 g
Value				
Reference Mass Fraction	Histidine		0,658 ± 0,098	g/100 g
Value				
Reference Mass Fraction	Hydroxyproline	[51-35-4]	0,65 ± 0,15	g/100 g
Value				
Reference Mass Fraction	Isoleucine		1,20 ± 0,22	g/100 g
Value				
Reference Mass Fraction	Leucine		2,74 ± 0,19	g/100 g
Value				
Reference Mass Fraction	Lysine		1,68 ± 0,26	g/100 g
Value				
Reference Mass Fraction	Methionine	[63-68-3]	0,88 ± 0,14	g/100 g
Value				
Reference Mass Fraction	Phenylalanine	[63-91-2]	1,38 ± 0,12	g/100 g
Value				
Reference Mass Fraction	Proline		2,20 ± 0,30	g/100 g
Value				
Reference Mass Fraction	Serine		1,41 ± 0,13	g/100 g
Value				
Reference Mass Fraction	Taurine	[107-35-7]	0,236 ± 0,067	g/100 g
Value				
Reference Mass Fraction	Threonine		1,18 ± 0,10	g/100 g
Value				
Reference Mass Fraction	Tyrosine	[60-18-4]	1,00 ± 0,25	g/100 g

Value				
Reference Mass Fraction	Valine		1,40 ± 0,24	g/100 g
Value				
Information Mass Fraction	Aluminium (Al)	[7429-90-5]	400	mg/kg
on Value				
Information Mass Fraction	Sulfur (S)	[7704-34-9]	6400	mg/kg
on Value				