

Information Bulletin

Natural Reference Materials

Elemental Microanalysis Ltd offers a wide range of Natural Reference Materials.

All materials are finely ground powders. All calibrations are traceable to NIST SRM primary standards. Full information is provided on the certificate of analysis.

With 40 years of experience, Elemental Microanalysis offers extensive knowledge of analysis and a worldwide reputation for excellence. Elemental Microanalysis products are manufactured using our ISO 9001:2008 quality system, the laboratory is accredited to ISO 17025.

Part Number	Description	Pack	Form	% Carbon	% Hydrogen	% Nitrogen	% Oxygen	% Sulphur
B2273	Alfalfa Organic Analytical Standard	30g	Solid	42.33	6.01	2.59		0.12
B2164	Algae (Bladderwrack)	30g	Solid	33.67	4.92	1.25		2.29
B2162	Algae (Spirulina) Standard	30g	Solid	45.17	6.63	9.98		0.67
B2277	Barley Flour Organic Analytical Standard	30g	Solid	43.51	6.00	1.90		0.14
B2166	Birch leaf Standard	30g	Solid	48.09	6.55	2.12		0.17
B2209	Bitumen-Asphalt CHNOS standard	30g	Solid	84.41	10.06	3.21	1.26	0.27
B2160	Chitin Standard	30g	Solid	44.71	6.61	6.79	36.86	
B2320	Coal CHNOS Standard (S~0.25%) CRM	50g	Solid	68.67	4.55	1.02	18.84	0.30
B2321	Coal CHNOS Standard (S~0.75%) CRM	50g	Solid	66.99	3.85	1.22	4.73	0.79
B2322	Coal CHNOS Standard (S~1%) CRM	50g	Solid	67.68	3.97	1.29	7.17	1.91
B2323	Coal CHNOS Standard (S~3%) CRM	50g	Solid	60.98	4.16	1.09	6.47	3.61
B2324	Coal CHNOS Standard (S~5%) CRM	50g	Solid	60.65	4.38	1.15	15.12	6.18
B2300	Coal Standard Sulphur Range 0.3%	50g	Solid					0.35
B2301	Coal Standard Sulphur Range 0.5%	50g	Solid					0.45
B2302	Coal Standard Sulphur Range 0.7%	50g	Solid					0.75
B2303	Coal Standard Sulphur Range 0.85%	50g	Solid					0.89
B2304	Coal Standard Sulphur Range 1%	50g	Solid					1.06
B2305	Coal Standard Sulphur Range 1.5%	50g	Solid					1.41
B2306	Coal Standard Sulphur Range 2%	50g	Solid					2.03
B2307	Coal Standard Sulphur Range 2.5%	50g	Solid					2.37
B2308	Coal Standard Sulphur Range 3%	50g	Solid					2.80
B2309	Coal Standard Sulphur Range 3.5%	50g	Solid					3.60
B2310	Coal Standard Sulphur Range 4%	50g	Solid					4.15
B2311	Coal Standard Sulphur Range 5%	50g	Solid					5.59
B2312	Coal Standard Sulphur Range 6%	50g	Solid					5.88
B2168	Coconut shell Standard	30g	Solid	49.04	6.01	0.12		
B2318	Coke CHNS	50g	Solid	88.78	2.05	1.18		3.51
B2317	Coke Standard Sulphur Range 0.5%	50g	Solid					0.59
B2315	Coke Standard Sulphur Range 0.7%	50g	Solid					0.67
B2316	Coke Standard Sulphur Range 0.9%	50g	Solid					1.21
B2272	Corn Gluten Organic Analytical Standard	30g	Solid	45.27	5.98	10.38		0.85
B2270	Corn Meal Organic Analytical Standard	30g	Solid	39.60	5.55	1.65		0.14
B2337	Extreme Pressure Oil	100ml	Liquid					0.03
B2338	Extreme Pressure Oil	100ml	Liquid					0.04
B2336	Extreme Pressure Oil Sulphur Range 2%	100ml	Liquid					2.00
B2337	Extreme Pressure Oil Sulphur Range 3%	100ml	Liquid					3.30
B2338	Extreme Pressure Oil Sulphur Range 4%	100ml	Liquid					4.19
B1405	Glutamic Acid Standard	250g	Solid	40.71	6.01	9.52		



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Available from your local Dealer:

Part Number	Description	Pack	Form	% Carbon	% Hydrogen	% Nitrogen	% Oxygen	% Sulphur	% TOC	% TIC
B2332	High Sulphur Residual Oil Sulphur Range 10%	100ml	Liquid					9.86		
B2331	High Sulphur Residual Oil Sulphur Range 20%	100ml	Liquid					19.98		
B2330	High Sulphur Residual Oil Sulphur Range 30%	100ml	Liquid					30.00		
B2334	High Sulphur Residual Oil Sulphur Range 5%	100ml	Liquid					5.00		
B2333	High Sulphur Residual Oil Sulphur Range 6%	100ml	Liquid					5.78		
B2145	Lubricant Standard	2g	Liquid	82.32	13.82	1.12		2.54		
B2276	Oatmeal Organic Analytical Standard	30g	Solid	41.59	5.85	1.90		0.16		
B2170	Olive stone Standard	30g	Solid	47.06	6.35	0.20				
B2141	Orchard Leaves Standard	20g	Solid	50.40	6.22	2.28		0.16		
B2149	Pasta Standard	100g	Solid			2.23				
B2140	Pasta Standard	10g	Solid			2.23				
B2154	Protein Standard OAS	30g	Solid			13.32				
B2360	Residual Oil Standard Sulphur Range 0.1%	100ml	Liquid					0.11		
B2358	Residual Oil Standard Sulphur Range 0.15%	100ml	Liquid					0.15		
B2361	Residual Oil Standard Sulphur Range 0.2%	100ml	Liquid					0.20		
B2362	Residual Oil Standard Sulphur Range 0.3%	100ml	Liquid					0.30		
B2359	Residual Oil Standard Sulphur Range 0.35%	100ml	Liquid					0.35		
B2363	Residual Oil Standard Sulphur Range 0.4%	100ml	Liquid					0.42		
B2364	Residual Oil Standard Sulphur Range 0.5%	100ml	Liquid					0.48		
B2365	Residual Oil Standard Sulphur Range 0.6%	100ml	Liquid					0.61		
B2366	Residual Oil Standard Sulphur Range 0.7%	100ml	Liquid					0.70		
B2367	Residual Oil Standard Sulphur Range 0.8%	100ml	Liquid					0.82		
B2368	Residual Oil Standard Sulphur Range 0.9%	100ml	Liquid					0.90		
B2369	Residual Oil Standard Sulphur Range 1%	100ml	Liquid					0.99		
B2370	Residual Oil Standard Sulphur Range 1.5%	100ml	Liquid					1.49		
B2371	Residual Oil Standard Sulphur Range 2%	100ml	Liquid					2.01		
B2372	Residual Oil Standard Sulphur Range 2.5%	100ml	Liquid					2.50		
B2373	Residual Oil Standard Sulphur Range 3%	100ml	Liquid					2.92		
B2374	Residual Oil Standard Sulphur Range 3.5%	100ml	Liquid					3.46		
B2375	Residual Oil Standard Sulphur Range 4%	100ml	Liquid					4.00		
B2376	Residual Oil Standard Sulphur Range 4.5%	100ml	Liquid					4.52		
B2278	Rice Flour Organic Analytical Standard	30g	Solid	40.77	6.73	1.70		0.14		
B2275	Rye Flour Organic Analytical Standard	30g	Solid	39.50	5.50	1.75		0.13		
B2150	Sediment Standard High Organic Content	30g	Solid	7.17		0.57		0.85		
B2188	Soil Standard (Chalky)	30g	Solid	5.39		0.35			3.30	2.09
B2184	Soil Standard (Clay)	30g	Solid	2.29		0.21		0.03	1.98	0.31
B2186	Soil Standard (Loamy)	30g	Solid	2.75		0.27		0.04	2.67	0.08
B2176	Soil Standard (Peaty)	30g	Solid	15.95		1.29		0.41	15.57	0.38
B2180	Soil Standard (Sandy)	30g	Solid	0.83		0.07		0.01	0.76	0.07
B2182	Soil Standard (Silty)	30g	Solid	2.19		0.18		0.03	1.89	0.30
B2152	Soil Standard Low Organic Content	30g	Solid	1.55		0.13		0.02		
B2178	Soil Standard Medium Organic Content	30g	Solid	3.19		0.27		0.04		
B2051	Soil Standard NC	5g	Solid	2.29		0.21				
B2050	Soil Standard NCS	2g	Solid	2.29		0.21		0.02	1.98	0.31
B2158	Sorghum Flour Standard	30g	Solid	41.26		1.47		0.10		
B2271	Soy Bean Meal Organic Analytical Standard	30g	Solid	45.24	5.73	7.89		0.42		
B2313	Ultra Low Sulphur Coal Standard Sulphur Range 0%	50g	Solid					0.00		
B2314	Ultra Low Sulphur Coal Standard Sulphur Range 0.02%	50g	Solid					0.03		
B2326	Ultra Low Sulphur Coal Standard Sulphur Range 0.05%	50g	Solid					0.05		
B2327	Ultra Low Sulphur Coal Standard Sulphur Range 0.10%	50g	Solid					0.10		
B2328	Ultra Low Sulphur Coal Standard Sulphur Range 0.15%	50g	Solid					0.14		
B2274	Wheat Flour Organic Analytical Standard	30g	Solid	38.86	5.45	1.81		0.13		
B2156	Wheat Flour Standard	30g	Solid	39.38		1.36		0.09		