

Natural reference materials

Organic analytical standards (OAS) from Elemental Microanalysis are traceable to the National Institute of Standards and Technology (N.I.S.T.), Maryland, USA and/or (where appropriate) other accredited certification organisations. These materials are suitable for use as working standards for elemental analysis and are supplied with batch certificates of analysis.

Analysis values may change depending on the batch available; please see the website for current certificate of analysis.



Part No	Description	Pack	(Bracketed values are for reference only)				
			%C	%H	%N	%O	%S
B2273	Alfalfa OAS	30g	41.82	6.02	2.98		0.25
B2164	Algae (bladderwrack) OAS	30g	33.67	4.92	1.25		2.289
B2162	Algae (spirulina) OAS	30g	47.02	6.94	10.93		0.77
B2277	Barley flour OAS	30g	43.51	6.00	1.90		0.12
B2166	Birch leaf OAS	30g	48.09	6.55	2.12		0.172
B2209	Bitumen-asphalt CHNOS OAS	30g	84.00	10.03	3.10	1.26	0.27
B2221	Carbon and sulfur in soil OAS	25g	0.50				0.44
B2160	Chitin OAS	30g	42.72	6.49	6.25	37.84	
B2168	Coconut shell OAS	30g	49.04	6.01	0.09		
B2272	Corn gluten OAS	30g	45.27	5.98	10.38		0.85
B2270	Corn meal OAS	30g	45.52	6.30	1.15		0.10
B2145	Lubricant OAS	2g	82.32	13.82	1.12		2.54
B2276	Oatmeal OAS	30g	47.00	6.67	2.03	42.10	0.16
B2170	Olive stone OAS	30g	46.39	6.12	0.20		
B2141	Orchard leaves OAS	20g	46.54	5.91	3.38		0.156
B2140	Pasta OAS	10g			2.121		
B2149	Pasta OAS	100g			2.12		
B2154	Protein OAS	30g			13.32		
B2278	Rice flour OAS	30g	39.83	6.88	1.35		0.10
B2275	Rye flour OAS	30g	39.50	5.50	1.75		0.13
B2150	Sediment OAS high organic content	30g	7.45		0.52		0.62
B2196	Set of 7 soil OAS - contains 1 of each of the following B2176, B2180, B2182, B2184, B2186, B2188, B2189						
B2188	Soil OAS (chalky)	30g	3.98		0.26		
B2184	Soil OAS (clay)	30g	2.31		0.23		(0.030)
B2186	Soil OAS (loamy)	30g	2.75		0.27		(0.044)
B2189	Soil OAS (mineral)	30g	0.34		0.029		
B2176	Soil OAS (peaty)	30g	15.52		1.24		0.44
B2180	Soil OAS (sandy)	30g	0.46		0.04		
B2182	Soil OAS (silty)	30g	2.16		0.182		(0.025)
B2152	Soil OAS low organic content	30g	1.44		0.09		0.012
B2178	Soil OAS medium organic content	30g	2.46		0.16		0.019
B2051	Soil OAS NC	5g	2.31		0.23		
B2050	Soil OAS NCS	2g	2.31		0.23		(0.030)
B2158	Sorghum flour OAS	30g	41.26		1.47		0.095
B2271	Soy bean meal OAS	30g	45.24	5.73	7.89		0.42
B2127	Tocopherol nicotinate OAS	2g	78.50	10.00	2.65	8.91	
B2274	Wheat flour OAS	30g	38.86	5.45	1.81		0.13
B2156	Wheat flour OAS	30g	39.94		1.45		0.10

Elemental Microanalysis offers a comprehensive range of reference materials, covering all areas of analysis. Also available:

- Pure chemical reference materials
- Oil and fuel standards – residual oils, diesel oils, crude oils, and lube oils
- TOC/ROC/TIC standards
- Inorganic standards – steel, titanium, and copper pin standards, cast iron standards, and ores
- Coals, cokes and biomass standards – green petroleum cokes, proximate coals, ultimate coals, as well as sulfur-only coals and cokes

For information on these other ranges see our website, or our specialist catalogues covering other areas of analysis.