



A world of products for
ORGANIC CS analysis

Ordering Information

We are happy to accept orders by any of the following methods:

Phone: +44 (0)1837 54446

Email: enquiries@microanalysis.co.uk

Online: www.elementalmicroanalysis.com
(registration required)

We can accept Visa or Mastercard payments, and account facilities are readily available for regular customers, please enquire.

Shipping Worldwide

We regularly ship directly to customers in all parts of the world, and our staff are highly experienced in shipping hazardous goods. Local dealers are available in many countries, – contact us for details.



www.elementalmicroanalysis.com

Elemental Microanalysis Ltd
1 Hameldown Road
Okehampton
EX20 1UB
United Kingdom

Available locally from:

Literature Available from Elemental Microanalysis

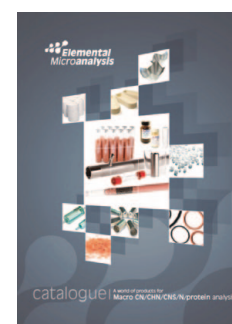
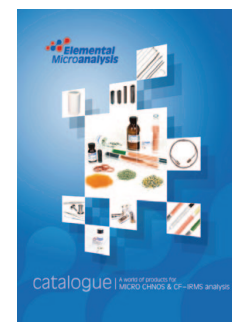
Catalogues, brochures and other literature are available electronically by downloading from the Download Documents page on our website; printed versions are available by emailing your request to enquiries@microanalysis.co.uk.

Catalogues

Our catalogues cover the following areas of elemental analysis:

- Organic CS (2025)
- Trace & TOC (2024)
- Micro CHNOS & CF–IRMS (2023)
- Macro CN/CHN/CNS/N/protein (2021)
- Capsules (2021)
- Inorganic

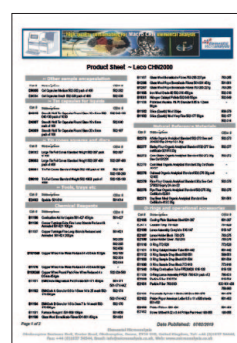
Our catalogues are also available to download from the website. If you would like print copies, please contact us.



Product Sheets

Product Sheets are available for the many instruments that we support. These cover all the common day-to-day consumables required to run your analytical instrument.

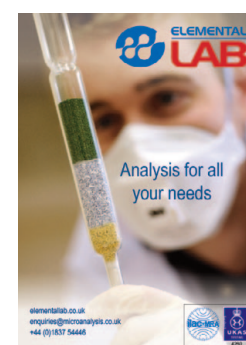
Please email your Product Sheet request to enquiries@microanalysis.co.uk.



Contract Analysis Service

Our UKAS accredited Testing Laboratory No. 4260 offers organic CHNOS and protein analysis and has specialized capability for air sensitive samples.* We can also provide many other services including TOC, stable isotope, inorganic analysis, and CIC halogen analysis. Please visit our website, elementallab.co.uk, for full details of services and sample submission forms.

* see scope for full details



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Includes products for all the following analysers:

ELTRA® ELEMENTRAC CS-r/CHS-r

ELTRA® C(H)S-580A/Helios

ELTRA® C(H)S-580

ELTRA® CS-500

LECO® SC832 Series

LECO® SC632

LECO® SC432/444/CR412

LECO® SC32/132/232/CR12

LECO® SC144

LECO® RC612

The use of OEM names or part numbers is intended for convenience only, and does not imply that the products are of OEM origin unless specified. All Elemental Microanalysis products are guaranteed to be of high quality and are deemed to be suitable alternatives in the stated instruments. All OEM trademarks acknowledged.

Information in this catalogue is correct at time of printing, but may be subject to change. Please refer to our website for the latest information.

About the Company

Elemental Microanalysis has grown from small beginnings over 45 years ago as a micro-analytical laboratory to be a leading manufacturer and supplier of consumables, laboratory supplies and other products for elemental analysers. We operate from our purpose-built factory, warehouse and laboratory complex in Devon, UK.

As the leading independent supplier of elemental analysis consumables, we can offer substantial savings in comparison to the prices charged by the original supplier of your instrument. But we know that you need more from a supplier than simply low prices. You need to buy with the confidence that your analysis will not be compromised by poor quality consumables and the knowledge that your supplier has all the resources to provide the full range of support that you expect.

‘Price is what you pay, value is what you get’.

You learn a lot in 45 years – a lot about your products – how to make them and how to use them, a lot about your customers and their needs. We have been developing, refining and using products for elemental analysis since 1976 and have a unique in-depth knowledge of instruments from all manufacturers.



Guaranteed quality

Elemental Microanalysis strives to exceed customer expectations in:

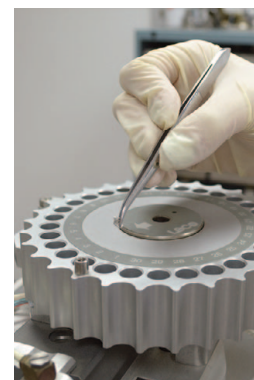
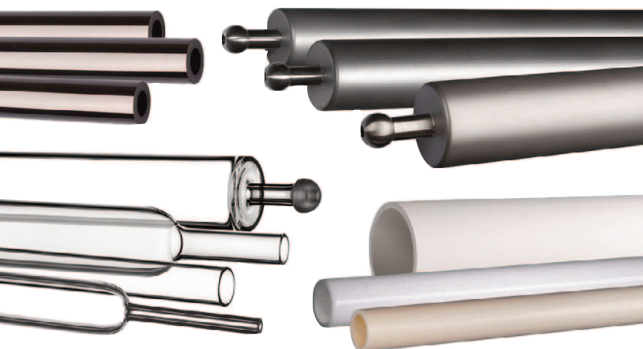
Quality | Trust | Value | Product range

Through our ISO 9001:2015 quality management system, along with compliance to ISO 17025:2017 and ISO 17034:2016, we aim to continually improve our business, enhance customer satisfaction, and boost efficiency. We are committed to professional practices that meet customer needs while complying with all relevant regulations. Our team is fully dedicated to upholding our quality policy in all aspects of their work.

We don't just make standards and consumables – we use them every day in our UKAS 17025 accredited analytical laboratory (CHNOS, TOC, IRMS and more), which affords us constant feedback on proven performance. We do not compromise on quality and don't expect you to either. Our total satisfaction guarantee backs up our commitment to our product quality.

We will always treat our customers with honesty and integrity. If we do make a mistake, we don't try to hide it – we recognise it and put it right. We won't sell you short measure and we won't mislead you in any way. Our business is built on long-term relationships, as our customers will testify – many have been with us for more than 35 years!





'price is what you pay –
value is what you get'

Technical service

In this catalogue we have tried to provide the most accurate and complete information possible about our ever-expanding range. We realise, however, that you may require additional technical information. For this reason we have technical specialists on hand to answer your questions and advise you on selecting the products best suited to your needs (email enquiries@microanalysis.co.uk). We can also supply samples, and even develop new products for your particular application.

Customer service

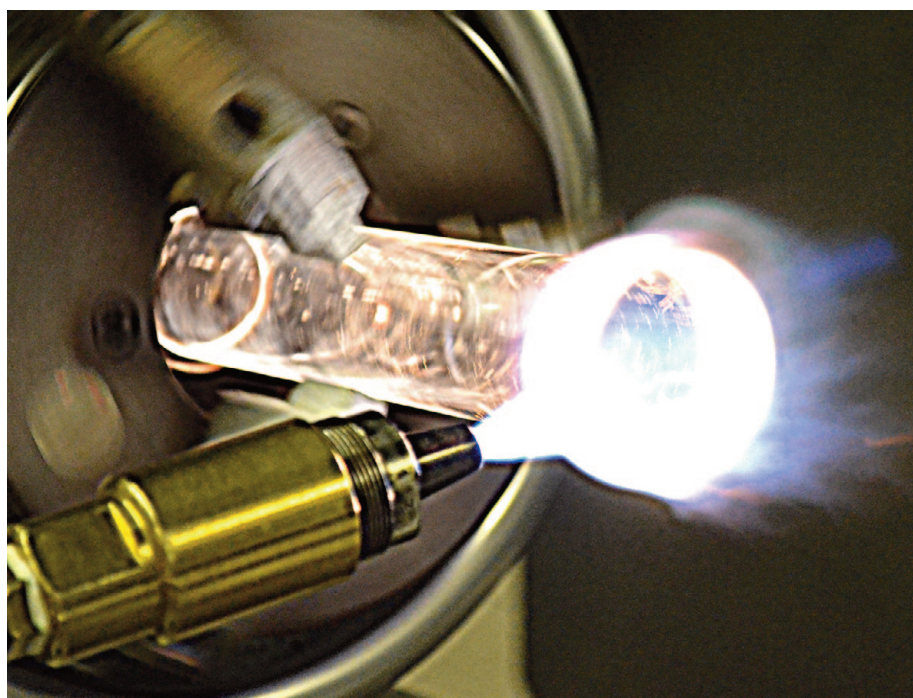
Our friendly Customer Service Staff will ensure that your order is despatched promptly and correctly. They can tell you about our stock levels, prices, shipping arrangements, or answer any other queries you may have. Most orders are despatched within 24 hours of receipt. Rush orders receive special attention and are processed immediately. If you have an urgent problem or need priority despatch, please let us know.

Try our products – free of charge!

Try before you buy – we have sample packs available for most elemental analysers on the market. Just let us know the instrument you have and we will send you a trial quantity of 3 or 4 different consumables to try – free and with no obligation. Offer limited to one per customer.

Expanding offerings

We are constantly working on improving our products and these improvements may mean that some products differ from the descriptions in this catalogue. Our technical staff are happy to discuss any improvements made, and the resulting benefits. To keep up-to-date with the latest products and developments, visit our website (elementalmicroanalysis.com), join our mailing list for updates delivered straight to your inbox (sign up on our website), or check in on your schedule by following us on LinkedIn or on X (@elementallab).



Reagents & packing materials

Part No	Description	Pack	ELTRA® part	LECO® part
B1307	Combsolid	100 g	88600-0008	
B1186	Combustion aid for liquids	454 g		501-427
B1185	Combustion aid for solids	454 g		501-426
B1184	Combustion catalyst	250 g		502-321
B1303	Copper oxide, coarse chips	100 g	90290	
B1125	Copper oxide, fine wires, 4 x 0.5 mm	100 g	88600-0021	502-190
B1500	EMACEL III tungsten	2.5 kg		763-263
 B1161	EMADrone, magnesium perchlorate	454 g	90200	501-171(-HAZ)
 B1316	EMASORB II A granular, 20–30 mesh, CO ₂ absorbant	500 g		502-174(-HAZ)
 B1317	EMASORB II B granular, 8–20 mesh, CO ₂ absorbant	500 g	90210	502-176
B1268	Fluorhib	454 g		502-156, 502-493
B1527	F/Cl trap material	225 g	90234	769-610
B1516	Graphite powder	100 g		501-073
B1166	Glass wool, borosilicate fibres	454 g	90331	501-081
B1167	Glass wool, borosilicate fibres	227 g		763-265
B1266	Glass wool rope, borosilicate fibres	454 g	90331	501-081
B1267	Glass wool rope, borosilicate fibres	227 g		763-265
B1056	Glass wool, very fine	50 g	90332	
B1269	Halogen scrubber	50 g		502-351
B1526	Halogen trap material	200 g	90235	769-608
B1300	Iron phosphate	100 g	90300	
B1524	Iron powder	454 g		501-078
B1165	Iron wool, grade #2	450 g	88400-0508	
B1523	Magnesium oxide	454 g		501-144
B1522	Quartz wool wadding	200 g		501-608
B1123	Rare earth copper oxide, granular, 0.85 to 1.7 mm	50 g	90289	501-170
B1351	Silica (quartz) wool, fine	10 g		
B1350	Silica (quartz) wool, fine	50 g	90330	502-177
B1102	Silica (quartz) wool, very fine	50 g	90330	502-177, 502-314
B1507	Tin metal accelerator	908 g	90280	501-076
B1188	Tungsten trioxide powder	125 g		502-301
 B1187	Vanadium pentoxide accelerator	250 g	90230	501-636



Combsolid
B1307



Combustion catalyst
B1184



Copper oxide, fine wires
B1125



EMASORB II A granular
B1316

Fluorhib
B1268



Graphite powder
B1516



Iron wool grade #2
B1165

Tin metal accelerator
B1507



Tungsten trioxide
powder
B1188



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Standards for carbon/sulfur analysis

For more information on our full range of standards, see the [Standards and CRMs](#) page of our website, and download our spreadsheet.

Analysis values for our standards may change depending on the current batch available; please see the website to view certificates of analysis, or contact our Sales Team for information on the current analysis values of reference materials.



Synthetic soil (loamy)
B2237



Natural materials standards

(Bracketed values are not certified and are for reference only)							
Part No	Description	Pack	%C	%H	%N	%O	%S
B2273	Alfalfa organic analytical standard	30 g	42.10	6.09	2.91		0.17
B2164	Algae (bladderwrack)	30 g	32.83	4.96	1.26		2.289
B2162	Algae (spirulina) standard	30 g	46.42	6.94	10.36		0.61
B2277	Barley flour organic analytical standard	30 g	45.69		1.36		0.12
B2166	Birch leaf standard	30 g	48.09	6.55	2.12		0.172
B2209	Bitumen-asphalt CHNOS standard	30 g	84.00	10.03	3.10	1.26	0.27
B2221	Carbon and sulfur in soil standard	25 g	0.51				0.72
B2272	Corn gluten organic analytical standard	30 g	50.0	7.21	10.28		0.95
B2270	Corn meal organic analytical standard	30 g	46.76		1.37		0.11
B2380	Limestone	25 g	12.02				0.033
B2381	Limestone	25 g	3.01				0.024
B2382	Limestone	25 g	5.89				0.031
B2383	Limestone	25 g	7.18				0.051
B2384	Limestone	25 g	11.70				0.220
B2385	Limestone	25 g	11.59				0.400
B2141	Orchard leaves standard	20 g	46.54	5.91	3.38		0.156
B2278	Rice flour organic analytical standard	30 g	41.40	6.72	1.36		0.07
B2275	Rye flour organic analytical standard	30 g	39.50	5.50	1.75		0.13
B2158	Sorghum flour standard	30 g	41.26		1.47		0.095
B2271	Soy bean meal organic analytical standard	30 g	44.60	6.44	7.97		0.37
B2274	Wheat flour organic analytical standard	30 g	46.97		2.99		0.21
B2156	Wheat flour standard	30 g	39.94		1.45		0.10

Soil & sediment standards

(Bracketed values are not certified and are for reference only)					
Part No	Description	Pack	%C	%N	%S
B2150	Sediment standard, high organic content	30 g	7.45	0.52	0.62
B2176	Soil standard (peaty)	30 g	15.52	1.24	0.44
B2152	Soil standard, low organic content	30 g	1.54	0.13	0.028
B2236	Synthetic soil (clay)	30 g	2.42	0.25	0.051
B2230	Synthetic soil (high)	30 g	7.48	0.53	0.061
B2237	Synthetic soil (loamy)	30 g	2.75	0.26	(0.068)
B2231	Synthetic soil (low organic content)	30 g	1.42	0.100	0.032
B2233	Synthetic soil (medium organic content)	30 g	2.49	0.16	0.037
B2232	Synthetic soil (peaty)	30 g	14.98	1.23	0.40

Creating synthetic soils leads to improved consistency across consecutive batches, compared to collected soils. Synthetic soils are also not subject to the same legislation and control as irradiated natural soil, which simplifies import restrictions for hassle-free worldwide shipping.

Standards for carbon/sulfur analysis

Coal, coke & biomass standards

Part No	Description	Pack	(Bracketed values are not certified and are for reference only)				
			%C	%H	%N	%O	%S
B2300	Coal standard, sulfur range 0.3%	50 g					0.28
B2301	Coal standard, sulfur range 0.5%	50 g					0.521
B2302	Coal standard, sulfur range 0.7%	50 g					0.74
B2303	Coal standard, sulfur range 0.89%	50 g					0.83
B2304	Coal standard, sulfur range 1%	50 g					1.15
B2305	Coal standard, sulfur range 1.5%	50 g					1.44
B2306	Coal standard, sulfur range 2%	50 g					2.03
B2307	Coal standard, sulfur range 2.5%	50 g					2.51
B2309	Coal standard, sulfur range 3.5%	50 g					3.41
B2310	Coal standard, sulfur range 4%	50 g					4.25
B2311	Coal standard, sulfur range 5%	50 g					5.16
B2312	Coal standard, sulfur range 6%	50 g					5.83
B2317	Coke standard, sulfur range 0.47%	50 g					0.47
B2315	Coke standard, sulfur range 0.77%	50 g					0.77
B2316	Coke standard, sulfur range 1.21%	50 g					1.21
B2318	Green petroleum coke CHNS standard	50 g	88.90	2.87	1.58		3.59
B2319	Green petroleum coke standard	50 g	87.89	1.89	1.79		5.00
B2352	Green petroleum coke standard	50 g	91.58	4.06	1.78		1.11
B2353	Green petroleum coke standard	50 g	94.97	1.87	0.90		0.55
B2801	Proximate coal standard	50 g					0.61
B2802	Proximate coal standard	50 g					0.52
B2803	Proximate coal standard	50 g					1.11
B2804	Proximate coal standard	50 g					0.95
B2805	Proximate coal standard	50 g					1.42
B2806	Proximate coal standard	50 g					2.40
B2809	Proximate coal standard	50 g					3.31
B2810	Proximate coal standard	50 g					4.96
B2811	Proximate coal standard	50 g					1.80
B2812	Proximate coal standard	50 g					6.55
B2813	Proximate coal standard	50 g					0.54
B2339	Sulfur in coal standard	50 g					1.18
B2340	Sulfur in coal standard	50 g					1.71
B2341	Sulfur in coal standard	50 g					6.64
B2343	Sulfur in green petroleum coke	50 g					0.55
B2344	Sulfur in green petroleum coke	50 g					0.88
B2345	Sulfur in green petroleum coke	50 g					1.20
B2346	Sulfur in green petroleum coke	50 g					2.47
B2348	Sulfur in green petroleum coke	50 g					2.30
B2349	Sulfur in green petroleum coke	50 g					4.34
B2386	Sulfur in green petroleum coke	50 g					5.43
B2288	Switchgrass biomass	50 g	45.87	5.91	0.6		(0.05)
B2335	Ultimate anthracite coal	50 g	72.32	2.03	0.90	(3.24)	0.54
B2320	Ultimate coal CHNOS standard (S~0.61%)	50 g	70.18	4.19	0.98	(16.17)	0.62
B2321	Ultimate coal CHNOS standard (S~0.75%)	50 g	72.40	4.52	1.42	(11.24)	1.11
B2322	Ultimate coal CHNOS standard (S~2%)	50 g	73.07	4.77	1.50	(10.18)	2.40
B2323	Ultimate coal CHNOS standard (S~3%)	50 g	64.27	4.04	1.19	(7.98)	3.31
B2324	Ultimate coal CHNOS standard (S~6%)	50 g	61.81	3.91	(1.13)	(3.58)	4.96
B2329	Ultimate coal CHNS standard (S~0.8%)	50 g	73.05	3.54	1.27	(7.98)	0.86
B2325	Ultimate coal standard CHNS RM Set contains 1 each of the following B2320, B2321, B2322, B2323, & B2324						
B2313	Ultra low sulfur coal standard, sulfur range 0%	50 g					0.0030
B2314	Ultra low sulfur coal standard, sulfur range 0.02%	50 g					0.034
B2326	Ultra low sulfur coal standard, sulfur range 0.05%	50 g					0.055
B2327	Ultra low sulfur coal standard, sulfur range 0.10%	50 g					0.103
B2328	Ultra low sulfur coal standard, sulfur range 0.15%	50 g					0.146
B2289	Wood biomass	50 g	51.90	6.26	0.13		0.02

Standards for carbon/sulfur analysis

Petroleum & oil standards

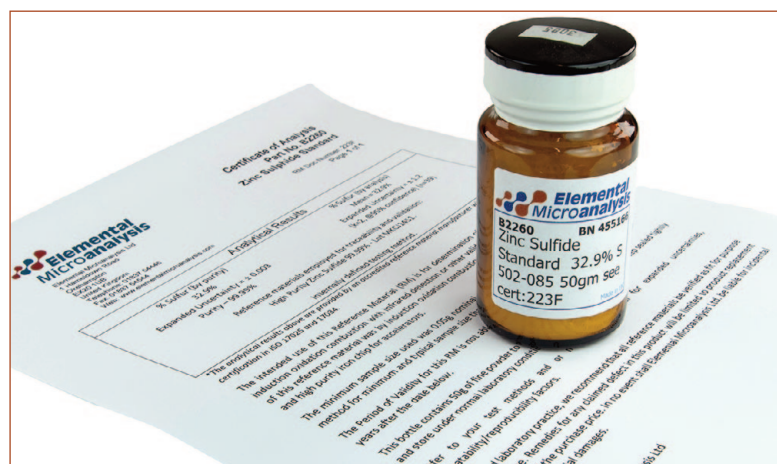
Part No	Description	Pack	%S
B2336	Extreme pressure oil, sulfur range 2%	100 ml	2.00
B2337	Extreme pressure oil, sulfur range 3%	100 ml	3.30
B2338	Extreme pressure oil, sulfur range 4%	100 ml	4.19
B2823	Sulfur in No.2 diesel oil (S= 0.53%)	100 ml	0.53
B2841	Sulfur in crude oil (S= 0.50%)	100 ml	0.049
B2847	Sulfur in crude oil (S= 0.98%)	100 ml	0.980
B2848	Sulfur in crude oil (S= 02.00%)	100 ml	2.110
B2849	Sulfur in crude oil (S= 3.07%)	100 ml	3.170
B2914	Sulfur in lube oil (S=0.99%)	100 ml	1.02
B2915	Sulfur in lube oil (S=2.00%)	100 ml	2.07
B2925	Sulfur in lube oil (S=0.35%)	100 ml	0.37
B2933	Low sulfur in lube oil (S=0.011%)	100 ml	0.011
B2934	Low sulfur in lube oil (S=0.021%)	100 ml	0.021
B2937	Low sulfur in lube oil (S=0.0505%)	100 ml	0.0505
B2941	Sulfur and chlorine in lube oil (S=2%, Cl=5%)	100 ml	2.00
B2946	Sulfur, nickel, and vanadium in heavy lube oil	50 ml	4.25
B2947	Sulfur, nickel, and vanadium in heavy lube oil	50 ml	3.11
B2948	Sulfur, nickel, and vanadium in heavy lube oil	50 ml	2.002
B2949	Sulfur, nickel, and vanadium in heavy lube oil	50 ml	1.053
B2950	Sulfur, nickel, and vanadium in heavy lube oil	50 ml	0.5263



Elemental Microanalysis offers a comprehensive range of standards and CRMs, covering all areas of analysis. these pages show a selection of our standards that are most applicable to organic C/S analysis. Our full range covers:

- ISO17034 certified reference materials
- Synthetic soil standards
- Pure chemical standards
- Natural standards
- IRMS standards
- Coal, coke, and biomass standards – green petroleum cokes, proximate coals, ultimate coals, as well as sulfur-only coals and cokes
- Oil and fuel standards – residual oils, diesel oils, crude oils, lube oils.
- Inorganic standards – steel, titanium, and copper pin standards, cast iron standards, and ores
- TOC/ROC/TIC standards

For information on our full range of standards see the Standards and CRMs page of our website, or our specialist catalogues covering other areas of analysis.



Pure chemical standards

Part No	Description	Pack	%C	%H	%N	%O	%S
B2046	2,5-(bis(5-tert-butyl-2-benzo-oxazol-2-yl) thiophene (BBOT) OAS	5 g	72.45	6.06	6.45	7.33	7.37
B2049	2,5-(bis(5-tert-butyl-2-benzo-oxazol-2-yl) thiophene (BBOT) OAS	25 g	72.45	6.06	6.45	7.33	7.37
B2108	Benzylthiuronium chloride OAS	5 g	47.44	5.49	13.84		15.81
B2901	Cystine CRM	5 g	29.97	5.03	11.68	26.64	26.68
B2100	Methionine OAS	25 g	40.29	7.47	9.38	21.46	21.49
B2107	Sulphamethazine OAS	25 g	51.82	5.07	20.04	11.41	11.51
B2106	Sulphamethazine OAS	5 g	51.72	5.05	20.03	11.45	11.48
B2903	Sulphanilamide CRM	10 g	41.81	4.66	16.30	18.61	18.64
B2048	Sulphanilamide OAS	10 g	41.79	4.65	16.31	18.45	18.56
B2147	Sulphanilic acid OAS	5 g	41.60	4.07	8.11	27.71	18.51
B2260	Zinc sulphide powder standard	50 g					32.9

Boats & liners, crucibles & covers

Part No	Description	Pack	ELTRA® part	LECO® part
C4509	Crucible cover, 4 mm hole, for C4500/C4501	1000	88600-0017	528-040
C4502	Crucible cover, 10 mm hole, for C4500	1000	88600-0014	528-043
C4500	Ceramic crucible	1000	90148, 90149	528-018
C4503	Ceramic crucibles (like C4500)	500		528-050
C4510	Small filtering crucible	100	88400-0142	528-028
C4511	Filtering crucible	100	88400-0176	528-030
C4516	Ready-to-use ceramic crucible	500	90150	528-018HP
C4038	Ceramic boats, unglazed (L=57, W=22, H=14 mm)	50		529-203
C4036	Ceramic boats, unglazed (L=57, W=22, H=14 mm)	100		529-203
C4137	Ceramic boats, unglazed (L=57, W=22, H=14 mm)	250		528-203-250
C4136	Ceramic boats, unglazed (L=57, W=22, H=14 mm)	500	90155, 90153	529-203-500
C4140	Ceramic combustion boat	500	90160	528-053
C4141	Ceramic combustion boat	1000	90160	528-053
C4164	Combustion boat, low profile (L=57, W=22, H=11 mm)	100		529-204
C4072	Combustion boat, low profile (L=57, W=22, H=11 mm)	250		529-204-250
C4064	Combustion boat, low profile (L=57, W=22, H=11 mm)	500		529-204
D5300	Nickel liner for ceramic boat (L=50, W=15, H=8 mm)	100		502-343
D5310	Nickel liner	10		782-059
C4508	Quartz boat	1		781-335
C4513	Quartz boat (L=64, W=25, H=13 mm)	1	36125	



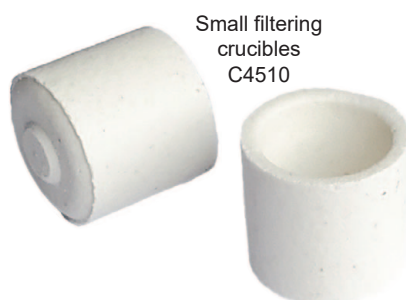
Crucible cover
C4509



Crucible covers
C4502



Ceramic crucibles
C4500, C4503



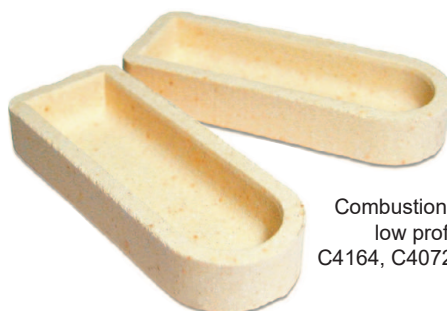
Small filtering
crucibles
C4510



Filtering crucibles
C4511



Ceramic boats
C4038, C4036,
C4137, C4136



Combustion boats,
low profile
C4164, C4072, C4064



Nickel liners
D5300



Ceramic
combustion boats
C4140, C4141



Nickel liners
D5310



Quartz boat
C4508



Quartz boat
C4513

ELTRA® C(H)S-580A / Helios

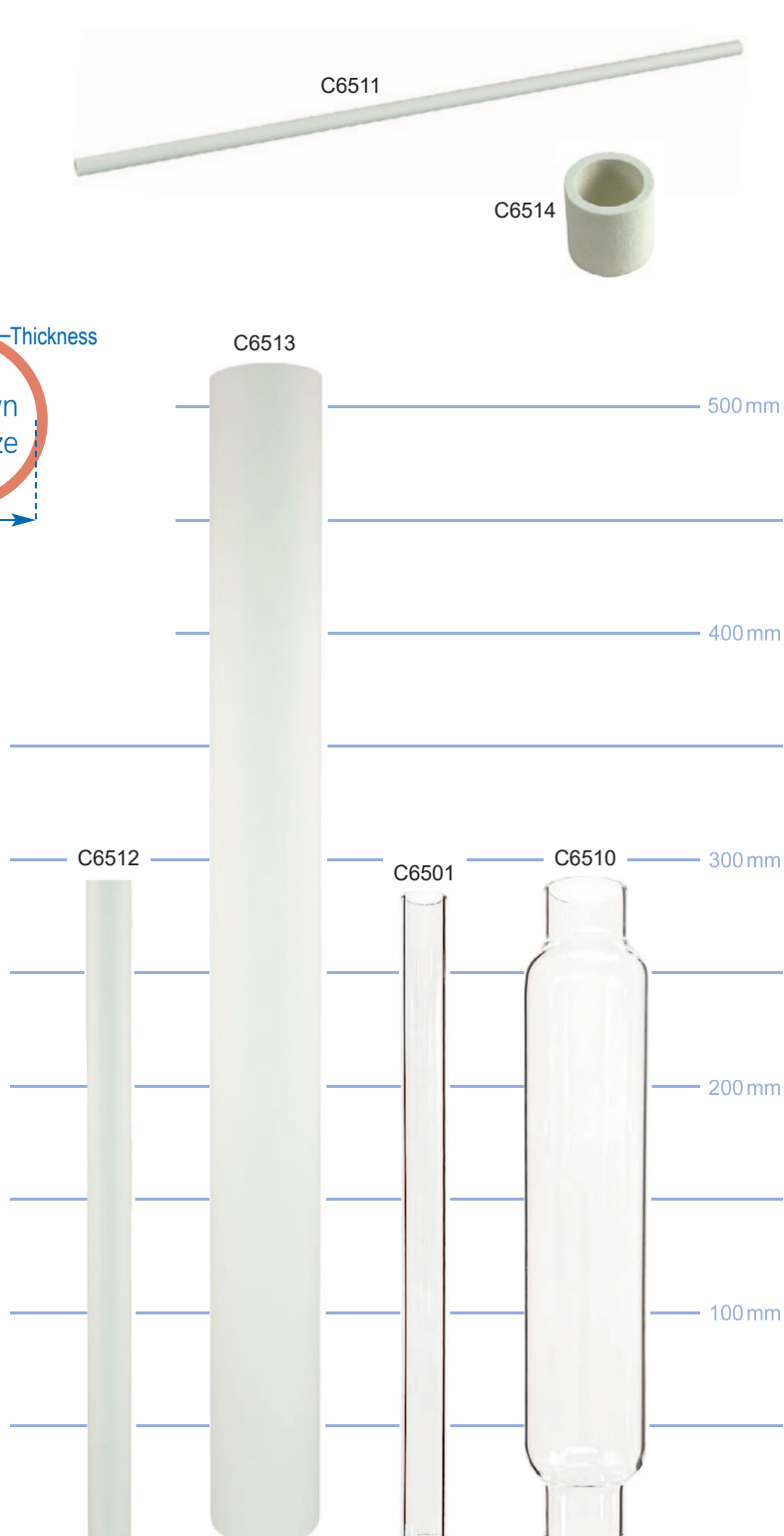
O-rings

Part No	Description	Pack	ELTRA® part
E1150	O-ring, 6 x 2.5 mm	1	70150
E1151	O-ring, 9 x 3 mm	1	70230
E1154	O-ring, 20 x 5 mm	1	70320
E1159	O-ring	1	70427
E1160	O-ring	1	70428
E1367	O-ring	1	70390



Quartz, furnace tubes, inserts & hardware

Part No	Description	Pack	ELTRA® part
C6511	Ceramic lance	1	35541
C6512	Ceramic pedestal	1	35542
C6514	Ceramic spacer tube	1	77505
C6513	Combustion tube	1	35540
C6501	Reagent tube	1	11064, 88400-0006
C6510	Reagent tube	1	09092



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ELTRA® ELEMENTRAC CS-r/CHS-r, CHS-580, CS-500

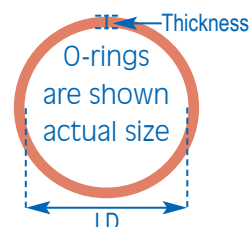
Quartz, furnace tubes & inserts

Part No	Description	Pack	ELTRA® part
C6502	Boat stop	1	36101
C6503	Combustion tube	1	90162
C6500	Reagent tube	1	09090
C6501	Reagent tube	1	11064, 88400-0006



O-rings

Part No	Description	Pack	ELTRA® part
E1150	O-ring, 6 x 2.5 mm	1	70150
E1152	O-ring, 16 x 5 mm	1	70270
E1153	O-ring, 18 x 2 mm	1	70280
E1154	O-ring, 20 x 5 mm	1	70320
E1155	O-ring, 21 x 2 mm	1	70330
E1156	O-ring, 35 x 5 mm	1	70380
E1157	O-ring, 48 x 3 mm	1	70410
E1159	O-ring	1	70427
E1160	O-ring	1	70428
E1213	O-ring	1	70370
E1367	O-ring	1	70390
E1372	O-ring	1	70350



Additional products for ELTRA® instruments

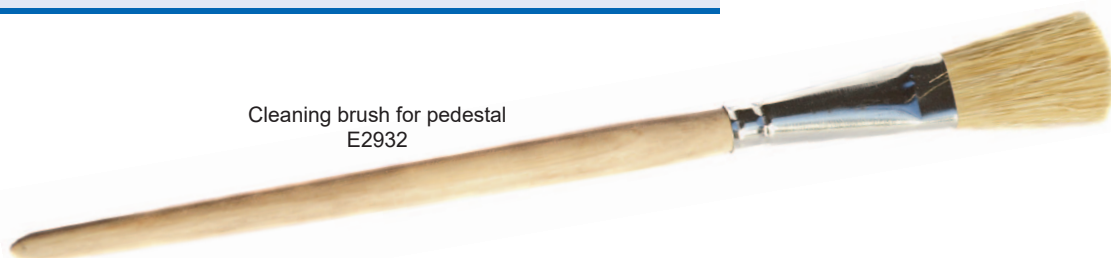
Operational parts, accessories & consumables kits

Part No	Description	Pack	ELTRA® part
E2440	Circuit breaker 20A		77032
E2433	Cleaning brush for metal filter (replaces 71030)	1	71030, 71036
E2932	Cleaning brush for pedestal	1	71010
E2441	Filter element (pressed micro fibre)	1	82130
E2453	Heating elements	set of 4	77501
E2452	Metal dust trap, ELTRA® CS-500	1	11105
E2151	Particle filter		11180, 11170
E2424	Safety ring	1	75140
E2427	Set of fuses	1	80926
E2425	Thermocouple	1	77425
X5002	Starter kit CHS580 for 500 analyses (500 disposable porcelain boats, 50 g glass wool, 50 re-usable boats, 100 g Combsolid)		88500-0004
X5003	Starter kit CHS580A for 500 analyses (500 crucibles, 50 g glass wool, 100 g Combsolid)		88500-0006

Cleaning brush for metal filter
E2433



Cleaning brush for pedestal
E2932



Filter element
E2441



Heating elements
E2453



Safety ring
E2424



Metal dust
trap
E2452



Particle filter
E2151



Thermocouple
E2425



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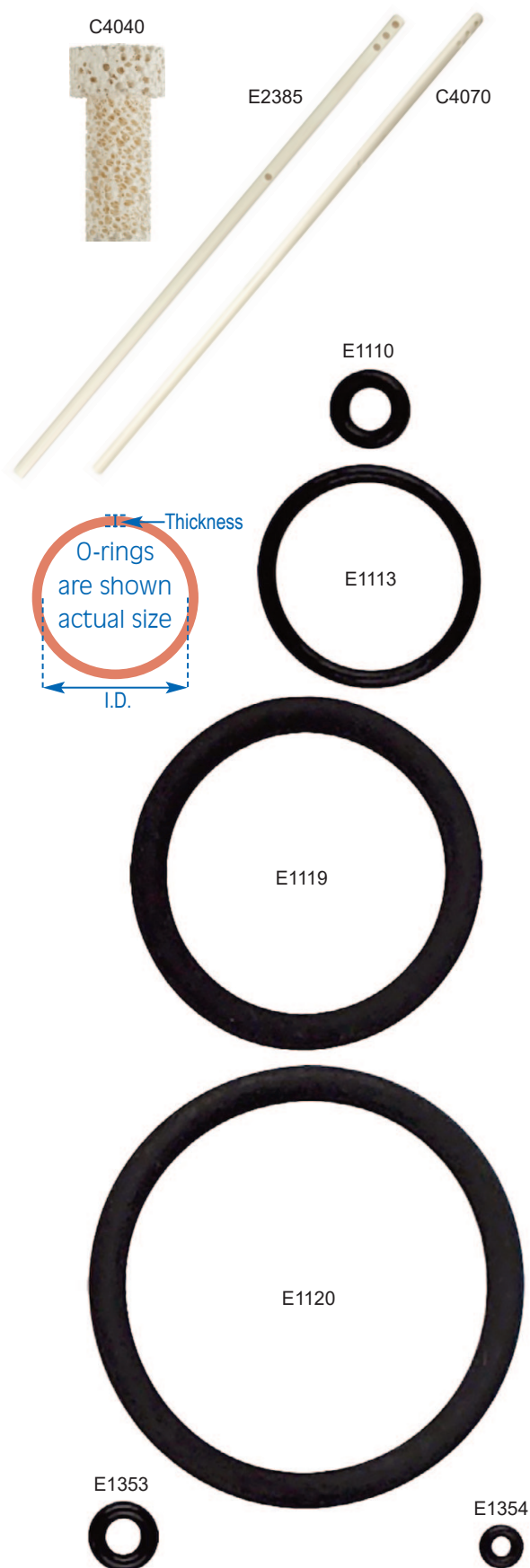
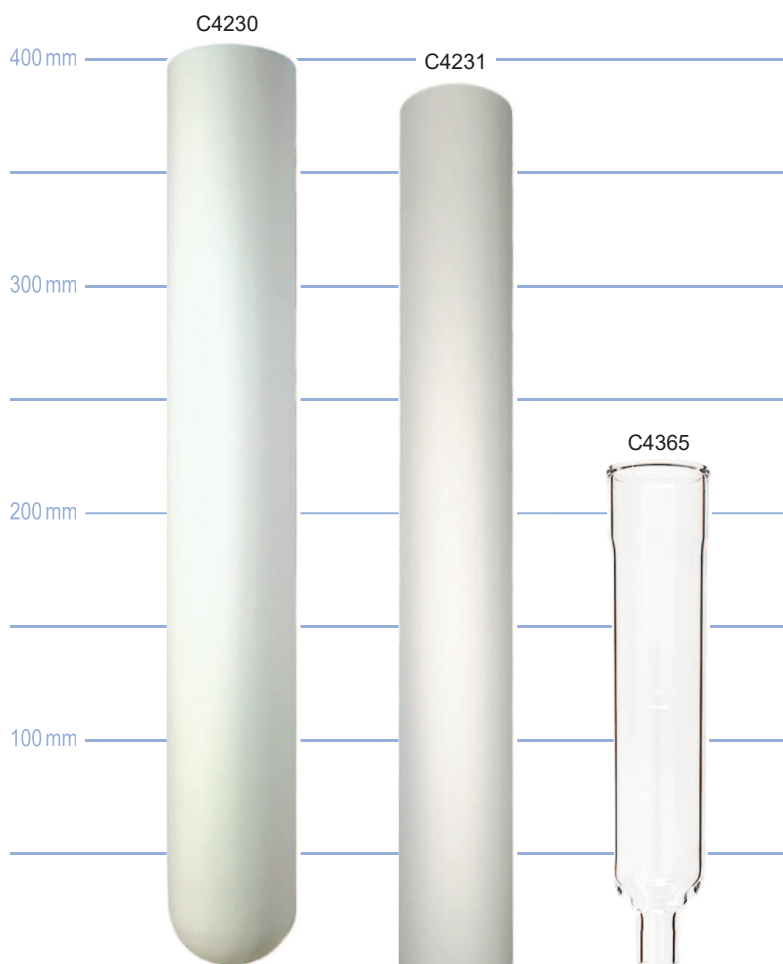
LECO® SC832 Series

Quartz, furnace tubes & inserts

Part No	Description	Pack	LECO® part
E2385	Ceramic lance, no autoloader	1	626-001-691
C4070	Ceramic lance tube, 4 hole, 291.5 mm	1	625-602-187
C4040	Ceramic stop	1	606-308
C4230	Combustion tube, outer	1	625-601-554
C4231	Combustion tube, inner	1	625-601-555
C4365	Reagent tube	1	626-001-871

O-rings

Part No	Description	Pack	LECO® part
E1110	O-ring, 6.0 x 2.6 mm	1	772-520
E1113	O-ring, reagent tube, 26.7 x 2.6 mm	1	773-141, 773-320
E1119	O-ring, inner combustion tube, 40.7 x 5.3 mm	1	606-312, 608-378, 611-476
E1120	O-ring, outer combustion tube, 53.3 x 5.3 mm	1	606-310, 611-477
E1353	O-ring	1	625-401-302
E1354	O-ring	1	625-401-301



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LECO® SC632, SC432/SC444/CR412



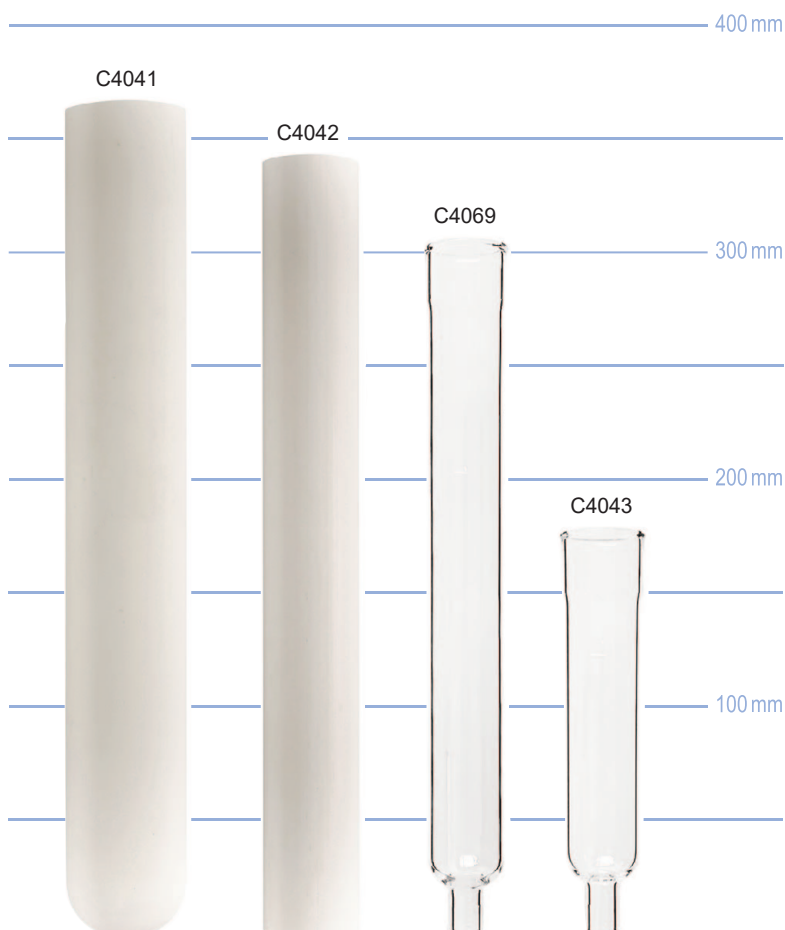
Quartz, furnace tubes & inserts

Part No	Description	Pack	LECO® part
C4056	Lance tube, drilled	1	616-632
C4042	Inner combustion tube, ceramic	1	606-313
C4041	Outer combustion tube, ceramic	1	606-309
C4069	Large anhydrous reagent tube	1	619-455
C4043	Reagent tube, borosilicate glass	1	606-327, 625-602-539



O-rings

Part No	Description	Pack	LECO® part
E1110	O-ring, 6.0 x 2.6 mm	1	772-520
E1113	O-ring, reagent tube, 26.7 x 2.6 mm	1	773-141, 773-320
E1117	O-ring, lance tube, 5.3 x 1.8 mm	1	606-333
E1119	O-ring, inner combustion tube, 40.7 x 5.3 mm	1	606-312, 608-378, 611-476
E1120	O-ring, outer combustion tube, 53.3 x 5.3 mm	1	606-310, 611-477
E1353	O-ring, lance tube	1	625-401-302
E1354	O-ring, purge tube	1	625-401-301
E1355	O-ring	1	625-401-303



LECO® SC144

Quartz, furnace tubes & inserts

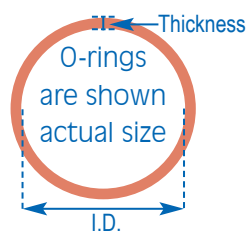
Part No	Description	Pack	LECO® part
C4105	Boat stop	1	616-086
C4110	Inner combustion tube	1	616-070
C4111	Outer combustion tube	1	616-089
C4043	Reagent tube, borosilicate glass	1	606-327, 625-602-539

C4105



O-rings

Part No	Description	Pack	LECO® part
E1110	O-ring, 6.0 x 2.6 mm	1	772-520
E1113	O-ring, reagent tube, 26.7 x 2.6 mm	1	773-320, 773-141
E1327	O-ring	1	616-068
E1328	O-ring, 47.0 x 5.3 mm	1	783-897, 783-190



E1110



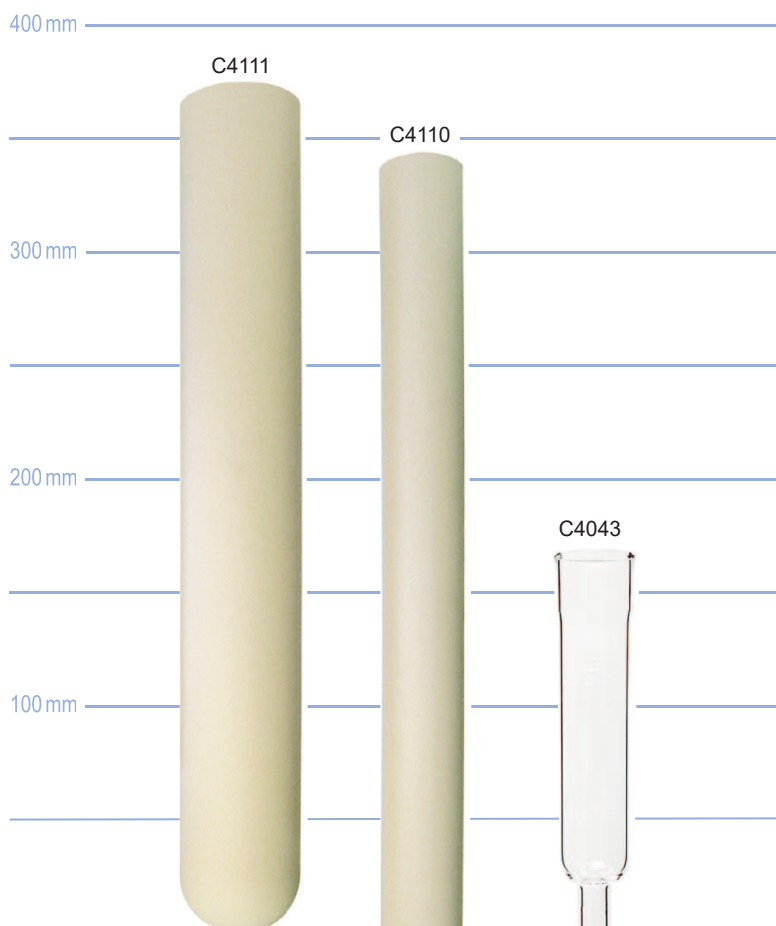
E1113



E1327



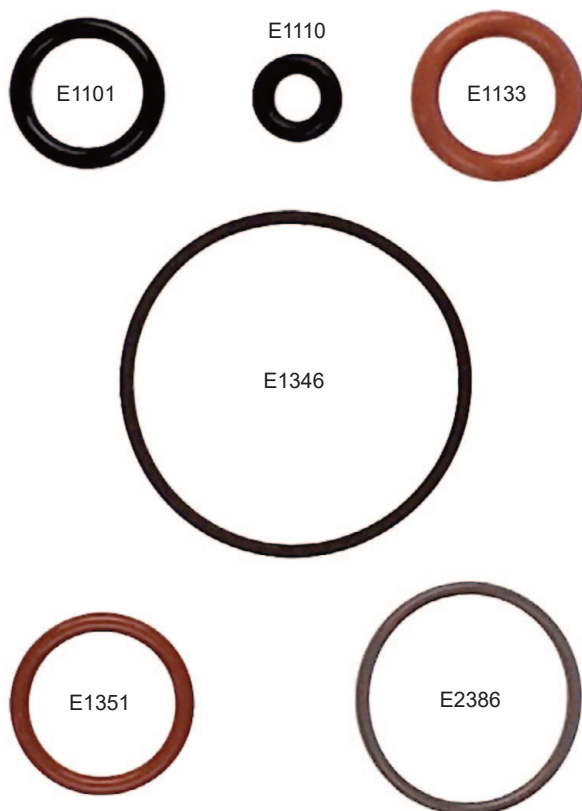
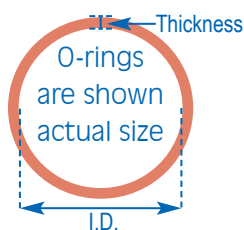
E1328



LECO® RC612

O-rings

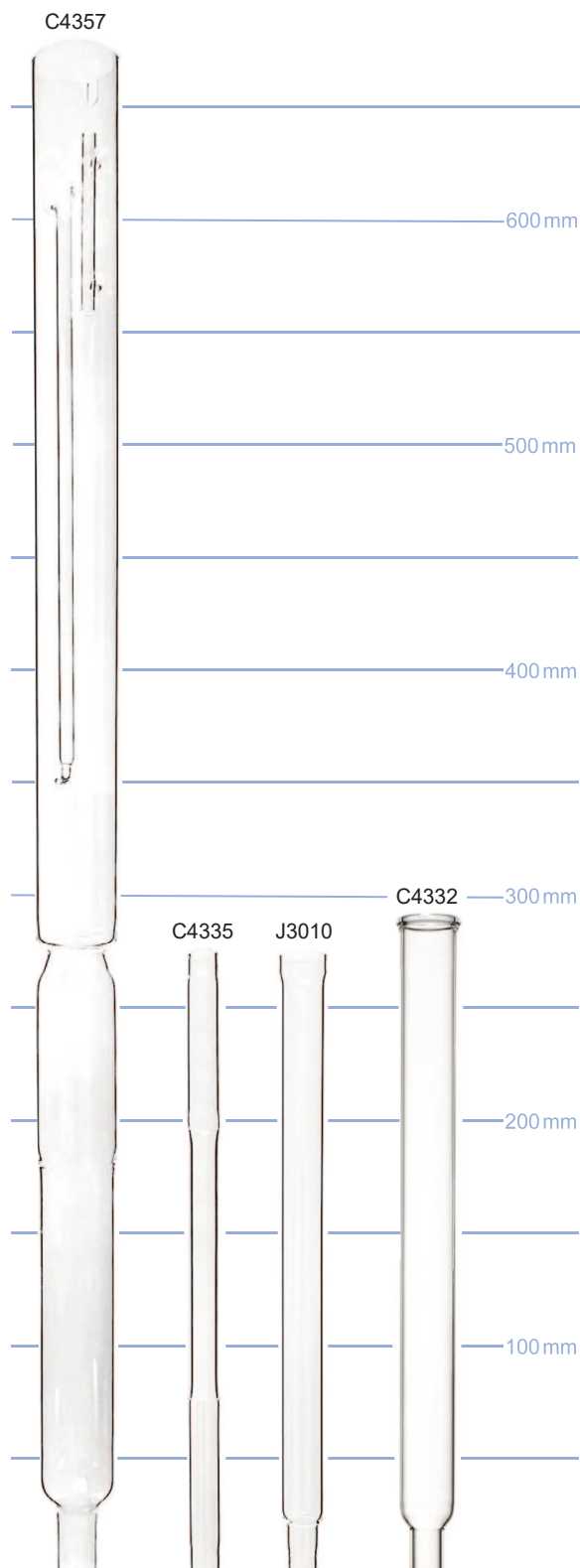
Part No	Description	Pack	LECO® part
E1101	O-ring, catalyst heater tube 14.0 x 2.6 mm	1	601-442
E1110	O-ring, 6.0 x 2.6 mm	1	772-520
E1133	O-ring, filter tube, 15.5 x 3.5 mm	1	765-976
E1346	O-ring	1	617-083
E1351	O-ring	1	602-802
E2386	O-ring	1	156-003



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Quartz, glassware & furnace tubes

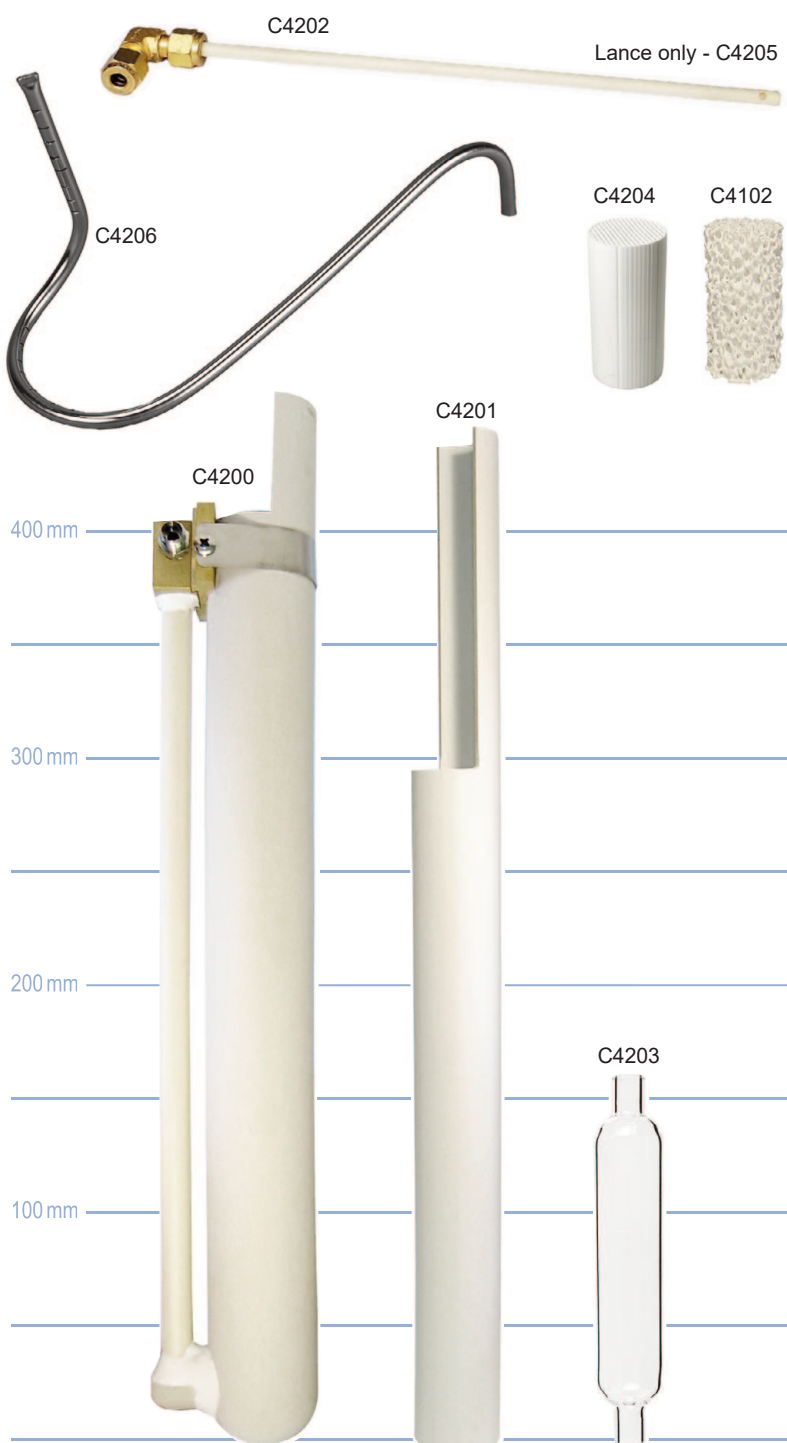
Part No	Description	Pack	LECO® part
C4335	Catalyst tube	1	789-412
C4357	Combustion tube	1	625-510-402
J3010	Quartz catalyst tube	1	625-505-125
C4332	Reagent tube	1	617-548



LECO® SC32/SC132/SC232/CR12

Quartz, furnace tubes, inserts & hardware

Part No	Description	Pack	LECO® part
C4204	Boat stop	1	529-022
C4102	Ceramic boat stop	1	782-079-115
C4202	Lance assembly	1	772-402
C4205	Lance	1	772-403
C4206	Purge tube	1	789-116, 774-174
C4200	Combustion tube assembly	1	773-932
C4201	Combustion tube liner	1	529-011
C4203	Reagent tube	1	767-541
C4327	Catalyst tube	1	771-883



O-rings & other operational parts

Part No	Description	Pack	LECO® part
E2743	Chopper motor	1	772-560
E2775	Delivery tube assembly	1	773-928
E2748	Heating element	1	783-177
E2375	Motor brush for E2376	1	175-631
E1110	O-ring, 6.0 x 2.6 mm	1	772-520
E2244	Paper roll	1	770-764
E2237	Printer ribbon	1	770-778
E2247	Screen mesh	1	760-193
E2377	Teflon disconnect block	1	773-931
E2246	Thermocouple	1	777-073
E2376	Vacuum pump, 24V DC	1	774-571

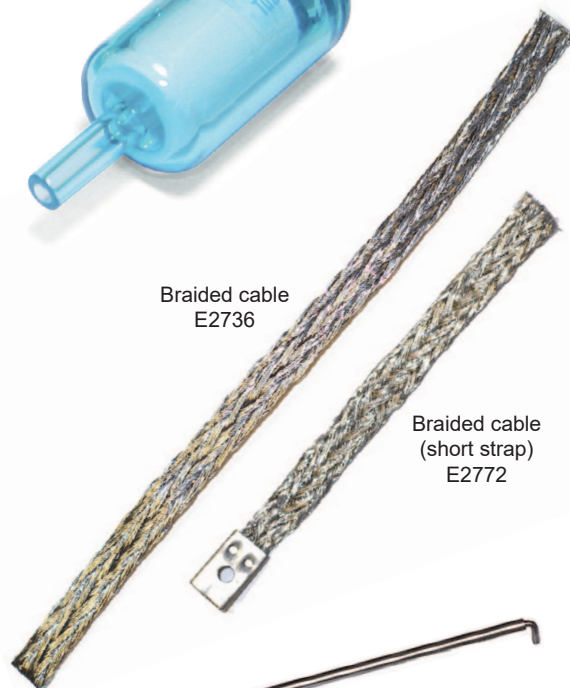


Additional products for LECO® instruments

Operational parts & accessories

Part No	Description	Pack	LECO® part
E2241	3/8" socket cap screw	1	190-742
E2477	Boat puller assembly	1	780-044
E2768	Boat puller assembly	1	501-062
E2736	Braided cable	1	606-319
E2772	Braided cable (short strap)	1	613-563, 606-286
E5013	Braided lead wire (7.5")	1	619-566, 633-101-362, 633-101-363
E2206	Heating elements	Set of 4	606-601
E2204	Heating element clamp	1	606-320
E2381	In-line filter, 0.1 micron	1	619-591-699
E2151	Particle filter	1	768-980
E2152	Printer paper, American letter (8.5 x 11") 600 sheets		601-483
E2153	Printer ribbon	1	601-484
E2373	Pump kit	1	175-590
E2185	Screw, zinc plated, 6-32 x 0.25 Phillips countersunk (loading head)		190-427
E2235	Secondary (screen) filter	1	775-306
E2383	Thermocouple	1	704-295-109
E2371	Thermocouple type S	1	781-585
E2382	Thermocouple	1	625-501
E2205	Thermocouple SC-432	1	606-224

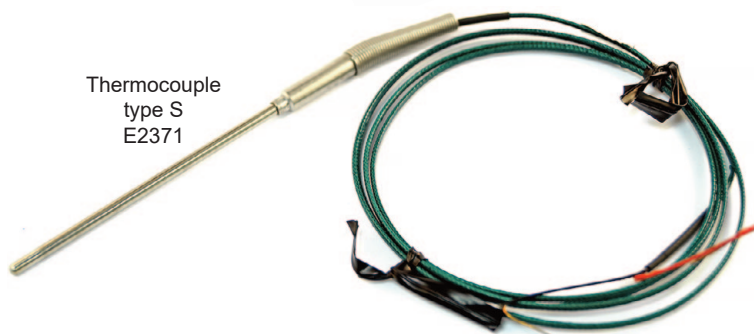
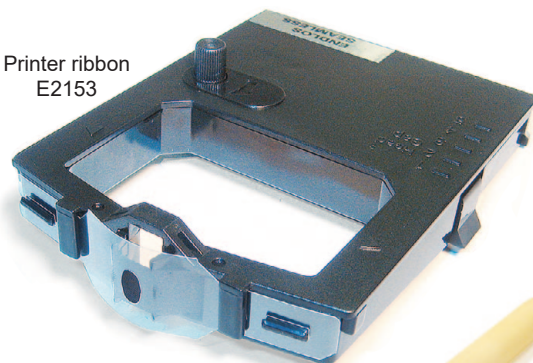
Particle filter
E2151

Braided cable
E2736

Braided cable
(short strap)
E2772

Boat puller assembly
E2768

Heating element
E2206

Heating
element clamp
E2204

Thermocouple
type S
E2371

Printer ribbon
E2153

Secondary
(screen) filter
E2235

Thermocouple
E2382

Thermocouple SC-432
E2205


Laboratory tools & supplies

Part No	Description	Pack	ELTRA® part	LECO® part
E2471	Crucible tongs, 250 mm	1	90145	761-929
E2439	Crucible tray	1	88600-0015	501-265
C4027	Filling funnel, borosilicate glass	1		502-023
E2016	Forceps, stainless steel, curved points, 130 mm	1	88400-0229	604-378
E2017	Forceps, stainless steel, straight points, 130 mm	1	88400-0472	502-028
C4060	Glass scoop	1		503-032
C4326	Glass scoop for V ₂ O ₅	1		762-936
E2720	Scoop, glass 1.5 ml	1		776-978
E2158	Silicone grease	150 g	92610	501-241
E2039	Snoop leak detection fluid 236 ml/8 fluid oz	1		502-213
E2462	Spatula	1		501-614



Crucible tray
E2439

Filling funnel, borosilicate glass
C4027



Crucible tongs, 250 mm
E2471



Forceps, stainless steel,
curved points, 130 mm
E2016



Forceps, stainless steel,
straight points, 130 mm
E2017



Glass scoop
C4060



Glass scoop for V₂O₅
C4326



Scoop, glass 1.5 ml
E2720



Spatula
E2462



Silicone grease
E2158



Cross references C/S analysis

ELTRA®					
ELTRA® Part	Description	Part No	ELTRA® Part	Description	Part No
09090	Reagent tube	C6500	90331	Glass wool rope, borosilicate fibres, 454 g	B1266
09092	Reagent tube	C6510	90332	Glass wool, very fine, 50 g	B1056
11064	Reagent tube	C6501	92610	Silicone grease, 150 g	E2158
11105	Metal dust trap, ELTRA® CS-500	E2452	88400-0006	Reagent tube	C6501
11170	Particle filter	E2151	88400-0142	Small filtering crucible, 100 pk	C4510
11180	Particle filter	E2151	88400-0176	Filtering crucible, 100 pk	C4511
35540	Combustion tube	C6513	88400-0229	Forceps, stainless steel, curved points, 130 mm	E2016
35541	Ceramic lance	C6511	88400-0472	Forceps, stainless steel, straight points, 130 mm	E2017
35542	Ceramic pedestal	C6512	88400-0508	Iron wool, grade #2, 450 g	B1165
36101	Boat stop	C6502	88500-0004	Starter kit CHS580 for 500 analyses (500 disposable porcelain boats, 50 g glass wool, 50 re-usable boats, 100 g Combsolid)	X5002
36125	Quartz boat 64 x 25 x 13 mm	C4513	88500-0006	Starter kit CHS580A for 500 analyses (500 crucibles, 50 g glass wool, 100 g Combsolid)	X5003
70150	O-ring, 6 x 2.5 mm	E1150	88600-0008	Combsolid, 100 g	B1307
70230	O-ring, 9 x 3 mm	E1151	88600-0014	Crucible cover, 10 mm hole, for C4500, 1000 pk	C4502
70270	O-ring, 16 x 5 mm	E1152	88600-0015	Crucible tray	E2439
70280	O-ring, 18 x 2 mm	E1153	88600-0017	Crucible cover, 4 mm hole, for C4500/C4501, 1000 pk	C4509
70320	O-ring, 20 x 5 mm	E1154	88600-0021	Copper oxide fine wires 4 x 0.5 mm 100 g	B1125
70330	O-ring, 21 x 2 mm	E1155			
70350	O-ring	E1372			
70370	O-ring	E1213			
70380	O-ring, 35 x 5 mm	E1156			
70390	O-ring	E1367			
70410	O-ring, 48 x 3 mm	E1157			
70427	O-ring	E1159			
70428	O-ring	E1160			
71010	Cleaning brush for pedestal	E2932			
71030	Cleaning brush for metal filter (replaces 71030)	E2433			
71036	Cleaning brush for metal filter (replaces 71030)	E2433			
75140	Safety ring	E2424			
77032	Circuit breaker 20A	E2440			
77425	Thermocouple	E2425			
77501	Heating elements, set of 4	E2453			
77505	Ceramic spacer tube	C6514			
80926	Set of fuses	E2427			
82130	Filter element (pressed micro fibre)	E2441			
90145	Crucible tongs, 250 mm	E2471			
90148	Ceramic crucible, 1000 pk	C4500			
90149	Ceramic crucible, 1000 pk	C4500			
90150	Ready-to-use ceramic crucible, 500 pk	C4516			
90153, 90155	Ceramic boats, unglazed (L=57, W=22, H=14 mm), 500 pk	C4136			
90160	Ceramic combustion boat, 500 pk	C4140			
90160	Ceramic combustion boat, 1000 pk	C4141			
90162	Combustion tube	C6503			
90200	EMADrone, magnesium perchlorate, 454 g	B1161			
90210	EMASORB II B granular, 8–20 mesh, 500 g	B1317			
90230	Vanadium pentoxide accelerator, 250 g	B1187			
90234	F/Cl trap material	B1527			
90235	Halogen trap material, 200 g	B1526			
90280	Tin metal accelerator, 908 g	B1507			
90289	Rare earth copper oxide granular 0.85 to 1.7 mm	B1123			
90290	Copper oxide, coarse chips, 100 g	B1303			
90300	Iron phosphate, 100 g	B1300			
90330	Silica (quartz) wool, fine, 50 g	B1350			
90330	Silica (quartz) wool, very fine, 50 g	B1102			
90331	Glass wool, borosilicate fibres, 454 g	B1166			
			LECO®		
			LECO® Part	Description	Part No
			156-003	O-ring	E2386
			175-590	Pump kit	E2373
			175-631	Motor brush for E2376	E2375
			190-427	Screw, zinc plated, 6-32 x 0.25 Philips countersunk (loading head)	E2185
			190-742	⅜" socket cap screw	E2241
			501-062	Boat puller assembly	E2768
			501-073	Graphite powder, 100 g	B1516
			501-076	Tin metal accelerator, 908 g	B1507
			501-078	Iron powder, 454 g	B1524
			501-081	Glass wool, borosilicate fibres, 454 g	B1166
			501-081	Glass wool rope, borosilicate fibres, 454 g	B1266
			501-144	Magnesium oxide, 454 g	B1523
			501-170	Rare earth copper oxide, granular, 0.85 to 1.7 mm, 50 g	B1123
			501-171(-HAZ)	EMADrone, magnesium perchlorate, 454 g	B1161
			501-241	Silicone grease, 150 g	E2158
			501-265	Crucible tray	E2439
			501-426	Combustion aid for solids, 454 g	B1185
			501-427	Combustion aid for liquids, 454 g	B1186
			501-608	Quartz wool wadding, 200 g	B1522
			501-614	Spatula	E2462
			501-636	Vanadium pentoxide accelerator, 250 g	B1187
			502-023	Filling funnel, borosilicate glass	C4027
			502-028	Forceps, stainless steel, straight points, 130 mm	E2017
			502-156	Fluorhib, 454 g	B1268
			502-174(-HAZ)	EMASORB II A granular, 20–30 mesh, 500 g	B1316
			502-176	EMASORB II B granular, 8–20 mesh, 500 g	B1317
			502-177	Silica (quartz) wool, fine, 50 g	B1350
			502-177	Silica (quartz) wool, very fine, 50 g	B1102
			502-190	Copper oxide, fine wires, 4 x 0.5 mm, 100 g	B1125
			502-213	Snoop leak detection fluid 236 ml/8 fluid oz	E2039
			502-301	Tungsten trioxide powder, 125 g	B1188
			502-321	Combustion catalyst, 250 g	B1184

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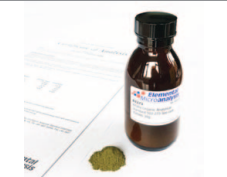
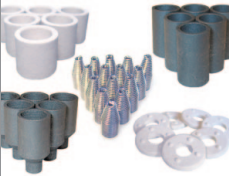
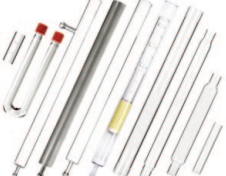
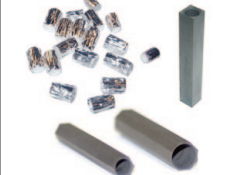
Cross references C/S analysis

LECO® Part	Description	Part No	LECO® Part	Description	Part No
502-314	Silica (quartz) wool, very fine, 50 g	B1102	625-401-302	O-ring, lance tube	E1353
502-343	Nickel liner for ceramic boat, 50 x 15 x 8 mm, 100 pk	D5300	625-401-303	O-ring	E1355
502-351	Halogen scrubber, 50 g	B1269	625-501	Thermocouple	E2382
502-493	Fluorhib, 454 g	B1268	625-505-125	Quartz catalyst tube	J3010
503-032	Glass scoop	C4060	625-510-402	Combustion tube	C4357
528-018	Ceramic crucible, 1000 pk	C4500	625-601-554	Combustion tube outer	C4230
528-018HP	Ready-to-use ceramic crucible, 500 pk	C4516	625-601-555	Combustion tube inner	C4231
528-028	Small filtering crucible, 100 pk	C4510	625-602-187	Ceramic lance tube, 4 hole, 291.5 mm	C4070
528-030	Filtering crucible, 100 pk	C4511	625-602-539	Reagent tube, borosilicate glass	C4043
528-040	Crucible cover, 4 mm hole, for C4500/C4501, 1000 pk	C4509	626-001-691	Ceramic lance, no autoloader	E2385
528-043	Crucible cover, 10 mm hole, for C4500, 1000 pk	C4502	626-001-871	Reagent tube	C4365
528-050	Ceramic crucibles (like C4500), 500 pk	C4503	633-101-362	Braided lead wire (7.5")	E5013
528-053	Ceramic combustion boat, 500 pk	C4140	633-101-363	Braided lead wire (7.5")	E5013
528-053	Ceramic combustion boat, 1000 pk	C4141	704-295-109	Thermocouple	E2383
528-203-250	Ceramic boats, unglazed, 250 pk	C4137	760-193	Screen mesh	E2247
529-011	Combustion tube liner	C4201	761-929	Crucible tongs, 250 mm	E2471
529-022	Boat stop	C4204	762-936	Glass scoop For V ₂ O ₅	C4326
529-203	Ceramic boats, unglazed, 50 pk	C4038	763-263	EMACEL III tungsten, 2.5 kg	B1500
529-203	Ceramic boats, unglazed, 100 pk	C4036	763-265	Glass wool, borosilicate fibres, 227 g	B1167
529-203-500	Ceramic boats, unglazed, 500 pk	C4136	763-265	Glass wool rope, borosilicate fibres, 227 g	B1267
529-204	Combustion boat, low profile, 100 pk	C4164	765-976	O-ring, filter tube, 15.5 x 3.5 mm	E1133
529-204	Combustion boat, low profile, 500 pk	C4064	767-541	Reagent tube	C4203
529-204-250	Combustion boat, low profile, 250 pk	C4072	768-980	Particle filter	E2151
601-442	O-ring, catalyst heater tube 14.0 x 2.6 mm	E1101	769-608	Halogen trap material, 200 g	B1526
601-483	Printer paper, American letter 8.5 x 11", 600 sheets	E2152	769-610	F/Cl trap material, 225 g	B1527
601-484	Printer ribbon	E2153	770-764	Paper roll	E2244
602-802	O-ring	E1351	770-778	Printer ribbon	E2237
604-378	Forceps, stainless steel, curved points, 130 mm	E2016	771-883	Catalyst tube	C4327
606-224	Thermocouple SC-432	E2205	772-402	Lance assembly	C4202
606-286	Braided cable (short strap)	E2772	772-403	Lance	C4205
606-308	Ceramic stop	C4040	772-520	O-ring, 6.0 x 2.6 mm	E1110
606-309	Outer combustion tube, ceramic	C4041	772-560	Chopper motor	E2743
606-310	O-ring, outer combustion tube, 53.3 x 5.3 mm	E1120	773-141	O-ring, reagent tube, 26.7 x 2.6 mm	E1113
606-312	O-ring, inner combustion tube, 40.7 x 5.3 mm	E1119	773-320	O-ring, reagent tube, 26.7 x 2.6 mm	E1113
606-313	Inner combustion tube, ceramic	C4042	773-928	Delivery tube assembly	E2775
606-319	Braided cable	E2736	773-931	Teflon disconnect block	E2377
606-320	Heating element clamp	E2204	773-932	Combustion tube assembly	C4200
606-327	Reagent tube, borosilicate glass	C4043	774-174	Purge tube	C4206
606-333	O-ring, lance tube, 5.3 x 1.8 mm	E1117	774-571	Vacuum pump, 24V DC	E2376
606-601	Heating elements, set of 4	E2206	775-306	Secondary (screen) filter	E2235
608-378	O-ring, inner combustion tube, 40.7 x 5.3 mm	E1119	776-978	Scoop, glass 1.5 ml	E2720
611-476	O-ring, inner combustion tube, 40.7 x 5.3 mm	E1119	777-073	Thermocouple	E2246
611-477	O-ring, outer combustion tube, 53.3 x 5.3 mm	E1120	780-044	Boat puller assembly	E2477
613-563	Braided cable (short strap)	E2772	781-335	Quartz boat	C4508
616-068	O-ring	E1327	781-585	Thermocouple type S	E2371
616-070	Inner combustion tube	C4110	782-059	Nickel liner, 10 pk	D5310
616-086	Boat stop	C4105	782-079-115	Ceramic boat stop	C4102
616-089	Outer combustion tube	C4111	783-177	Heating element	E2748
616-632	Lance tube, drilled	C4056	783-190	O-ring, 47.0 x 5.3 mm	E1328
617-083	O-ring	E1346	783-897	O-ring, 47.0 x 5.3 mm	E1328
617-548	Reagent tube	C4332	789-116	Purge tube	C4206
619-455	Large anhydrous reagent tube	C4069	789-412	Catalyst tube	C4335
619-566	Braided lead wire (7.5")	E5013			
619-591-699	In-line filter, 0.1 micron	E2381			
625-401-301	O-ring, purge tube	E1354			
625-401-302	O-ring	E1353			

The use of OEM part numbers is intended for convenience only, and does not imply that the products are of OEM origin. All Elemental Microanalysis products are guaranteed to be of high quality and are deemed to be suitable alternatives.

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	SAMPLE ENCAPSULATION	GLASSWARE AND FURNACE TUBES	CHEMICAL REAGENTS	REFERENCE MATERIALS	OTHER PARTS AND CONSUMABLES
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N/PROTEIN DUMAS ANALYSIS					
INORGANIC ANALYSIS					
ORGANIC C/S ANALYSIS					
MACRO CN/CHN/CNS ANALYSIS					
CF-IRMS ANALYSIS					
TRACE AND TOC ANALYSIS					

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