

Catalogue 2008



A world of products and services for Carbon/Sulphur analysis



Ordering Information

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

Phone: +44 (0)1837 54446

Fax: +44 (0)1837 54544

E-mail: info@microanalysis.co.uk

Mail: Elemental Microanalysis Ltd
1 Hameldown Road
Okehampton Business Park
Okehampton
Devon EX20 1UB
United Kingdom

We can invoice you in Sterling, Euro or US Dollar and accept Visa, Mastercard and American Express, account facilities are readily available for regular customers, please enquire.

Shipping worldwide

We regularly ship directly to customers in all parts of the world. Local dealers are available in many countries: contact us for details.



Available locally from:

Other literature available from Elemental Microanalysis

In addition to this catalogue a range of other catalogues and product sheets are available:

Catalogues

We publish catalogues covering the following areas of elemental analysis:

- Organic Elemental (CHN/O/S)
- Nitrogen/Protein
- Inorganic
- Carbon/Sulphur



Product sheets

Product sheets are available for every instrument we support. These cover all the common day-to-day items required to run your instrument. These sheets are laminated to help them survive in the lab environment.



Contract analysis service

We also offer a contract analysis service for a variety of (mainly) organic compounds. Full details are in this brochure.



All literature is available using the 'fax-back' form on the rear cover of this catalogue or can be downloaded from our website.

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Faxback form for literature request

About the Company

Elemental Microanalysis grew from small beginnings almost 30 years ago as a micro-analytical laboratory to its current form as a leading manufacturer and supplier of consumables, supplies and other products for Elemental Analysers. We operate from our purpose-built factory and laboratory complex in Devon UK.

You learn a lot in 30 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.

These days we offer the world's largest range of products for elemental analysers sending our products to customers across the globe.

We take great care with the quality of our products. The vast majority are manufactured in-house by our trained technicians within our ISO 9001:2000 accredited quality system. But we don't just make the products - we use them every day in our own analytical laboratory giving

us constant feedback on their 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.

'Price is what you pay, value is what you get'. As the leading independent supplier of elemental analysis consumables you can achieve 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.

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 20 years.



Guaranteed quality

Our quality system is certified to BS EN ISO 9001:2000 by LRQA under certificate no 956566 and is regularly audited by independent specialists. Our confidence in our products allows us to offer you a total satisfaction guarantee: if our product does not perform at least as well as the product brand you usually use you can return it for a full refund.



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 3-4 different consumables to try - free and with no obligation. Offer limited to one per customer.

Sales service

Our sales 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 require priority despatch, please let us know.

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. We can also supply samples, and even develop new products for your particular application.

Design changes

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 resultant benefits.



Terms and conditions of sale

The acceptance of any order is on the understanding that the purchaser agrees to the following Terms and Conditions of Sale:

Prices and orders

Prices can be confirmed by contacting our sales team. Both quoted and printed prices may be subject to alteration without notice. Order numbers are not required if payment can be made against invoice.

Quotations and invoices

Quotations are subject to confirmation on receipt of order. We reserve the right to amend any accidental errors or omissions.

Delivery

Although every effort will be made to honour delivery dates, no liability can be accepted if delays or non-delivery occurs.

Amendments or cancellations

Once an order is placed we consider it firm and only open to cancellation or amendment with our agreement.

Responsibility

Our responsibility is limited to the supply of goods of the type and quantity ordered and all consequential or resulting liability is expressly excluded.

Product origins

The vast majority of products are manufactured and packed in the UK by Elemental Microanalysis Ltd. The use of instrument names, instrument manufacturer names and part numbers does not imply that the products are of instrument manufacturer's origin.

Health, Safety and the Environment

We care about the effects our products may have on the health of our customers. Up to date health and safety information on relevant products (MSDS) is attached to the delivery note of every order.

Users are warned to examine and test goods and to exercise special care in cases where the use or storage of goods involves danger to people or property.

Particular care is needed with glass equipment and chemicals. We cannot accept liability for and injury or damage caused in any circumstances.

Our location, on the edge of the beautiful Dartmoor National Park, reminds us every day of our environmental responsibility. We are committed to the protection of the natural environment and ensure that any impact of our manufacturing activities is minimised.

We do not discharge hazardous effluents or atmospheric emissions in our manufacturing processes. We recycle waste metals, heat and most chemicals. Any materials that cannot be recycled are disposed of in a responsible manner. We operate a 'return to manufacturer' facility for safe disposal of used materials that we have supplied.



Cat No	Combined description	Pack	Leco® part*	Eltra part¹
B1186	Combustion Aid for Liquids	454g	501-427	
B1185	Combustion Aid for Solids	454g	501-426	
B1184	Combustion Catalyst	250g	502-321	
B1500	EMACEL III Tungsten	2.5kg	763-263	
B1161	EMADrone Magnesium Perchlorate	454g	501-171	90200
B1162	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500g	502-174	90210
B1164	EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh	500g	502-176	
B1527	F/Cl Trap Material	225g	769-610	
B1268	Fluorhib	454g	502-156	
B1166	Glass Wool Borosilicate Fibres	454g	501-081	90331
B1167	Glass Wool Borosilicate Fibres	227g	763-265	
B1266	Glass Wool Rope Borosilicate Fibres	454g	501-081	90331
B1267	Glass Wool Rope Borosilicate Fibres	227g	763-265	
B1516	Graphite Powder	100g	501-073	90800
B1269	Halogen Scrubber	50g	502-351	
B1526	Halogen Trap Material	200g	769-608	90234
B1300	Iron Phosphate	100g		90300
B1524	Iron Powder	454g	501-078	
B1102	Quartz (Silica) Wool Fine	50g	502-177	90330
B1522	Quartz Wool Wadding	200g	501-608	
B1123	Rare Earth Copper Oxide Granular 0.85 to 1.7mm	50g	501-170	90290
B1507	Tin Metal Accelerator	908g	501-076	90280
B1188	Tungsten Trioxide Powder	125g	502-301	
B1187	Vanadium Pentoxide Accelerator	250g	501-636	90230

EMACEL III Tungsten B1500



Tin Metal Accelerator B1507



Rare Earth Copper Oxide Granular B1123



Glass Wool Rope B1266



EMADrone Magnesium Perchlorate B1161



Halogen Trap Material B1526



Tungsten Trioxide Powder B1188



Ceramic Boat Liners Nickel
D5300



Ceramic Combustion Boat
C4140/4141



Nickel Boat Liners D5310



Ceramic Boats C4064



Ceramic Boats Unglazed C4038



Quartz Boat
C4508



Cat No	Combined description	Pack	Leco® part*	Eltra part ¹
D5300	Ceramic Boat Liner Nickel 50 x 15 x 8mm	100	502-343	
C4036	Ceramic Boats Unglazed	100	529-203	
C4038	Ceramic Boats Unglazed	50		
C4136	Ceramic Boats Unglazed	500	528-203-500	90155
C4140	Ceramic Combustion Boat	500	528-053	
C4141	Ceramic Combustion Boat	1000	528-053	
C4064	Combustion Boat Low Profile SC144	500	529-204	
D5310	Nickel Liner	10	782-059	
C4508	Quartz Boat	1	781-335	



Cat No	Description	Pack	Leco® part*	%C	%S	%H	%N
B2273	Alfalfa OAS	30g	502-273	45.77	0.20	5.42	3.37
B2277	Barley OAS	30g	502-277	46.68	0.14	5.57	1.50
B2250	Calcium Carbonate 12%	50g	501-034	12.00			
B2350	Calcium Oxalate Standard	50g	502-091	12.21			
B2300	Coal Standard Sulphur Range 0.3%	50g	501-001		0.30		
B2301	Coal Standard Sulphur Range 0.5%	50g	502-202		0.50		
B2302	Coal Standard Sulphur Range 0.7%	50g			0.70		
B2303	Coal Standard Sulphur Range 0.85%	50g	501-015		0.85		
B2304	Coal Standard Sulphur Range 1%	50g	501-005		1.00		
B2305	Coal Standard Sulphur Range 1.5%	50g	501-014		1.50		
B2306	Coal Standard Sulphur Range 2%	50g	767-757		2.00		
B2307	Coal Standard Sulphur Range 2.5%	50g	767-758		2.50		
B2308	Coal Standard Sulphur Range 3%	50g	501-520		3.00		
B2309	Coal Standard Sulphur Range 3.5%	50g	501-022		3.50		
B2310	Coal Standard Sulphur Range 4%	50g	501-130		4.00		
B2311	Coal Standard Sulphur Range 5%	50g	501-184		5.00		
B2312	Coal Standard Sulphur Range 6%	50g	501-964		6.00		
B2317	Coke Standard Sulphur Range 0.5%	50g			0.50		
B2315	Coke Standard Sulphur Range 0.7%	50g			0.70		
B2316	Coke Standard Sulphur Range 0.9%	50g	767-759		0.90		
B2272	Corn Gluten OAS	30g	502-272	50.29	0.96	6.33	10.95
B2270	Corn Meal OAS	30g	501-563	45.35	0.15	5.44	1.91
B2144	Ethylenediaminetetra-acetic Acid (EDTA) OAS	500g		41.09		5.52	9.59
B2115	Ethylenediaminetetra-acetic Acid (EDTA)	50g	502-092	41.09		5.52	9.59
B2137	Ethylenediaminetetra-acetic Acid (EDTA)	100g		41.09		5.52	9.59
B2336	Extreme Pressure Oil Sulphur Range 2%	118ml	501-967		2.00		
B2337	Extreme Pressure Oil Sulphur Range 3%	118ml	501-968		3.00		
B2338	Extreme Pressure Oil Sulphur Range 4%	118ml	501-969		4.00		
B2332	High Sulphur Residual Oil Sulphur Range 10%	118ml			10.00		
B2331	High Sulphur Residual Oil Sulphur Range 20%	118ml			20.00		
B2330	High Sulphur Residual Oil Sulphur Range 30%	118ml	502-071		30.00		
B2334	High Sulphur Residual Oil Sulphur Range 5%	118ml			5.00		
B2333	High Sulphur Residual Oil Sulphur Range 6%	118ml			6.00		
B2276	Oatmeal OAS	30g	502-276	47.76	0.16	5.72	2.09
B2154	Protein (Casein) OAS	30g		47.02	0.86		13.63
B2360	Residual Oil Standard Sulphur Range 0.1%	118ml			0.10		
B2361	Residual Oil Standard Sulphur Range 0.2%	118ml			0.20		
B2362	Residual Oil Standard Sulphur Range 0.3%	118ml			0.30		
B2363	Residual Oil Standard Sulphur Range 0.4%	118ml			0.40		
B2364	Residual Oil Standard Sulphur Range 0.5%	118ml			0.50		
B2365	Residual Oil Standard Sulphur Range 0.6%	118ml			0.60		
B2366	Residual Oil Standard Sulphur Range 0.7%	118ml			0.70		
B2367	Residual Oil Standard Sulphur Range 0.8%	118ml			0.80		
B2368	Residual Oil Standard Sulphur Range 0.9%	118ml			0.90		
B2369	Residual Oil Standard Sulphur Range 1%	118ml			1.00		
B2370	Residual Oil Standard Sulphur Range 1.5%	118ml			1.50		
B2371	Residual Oil Standard Sulphur Range 2%	118ml			2.00		
B2372	Residual Oil Standard Sulphur Range 2.5%	118ml			2.50		
B2373	Residual Oil Standard Sulphur Range 3%	118ml			3.00		
B2374	Residual Oil Standard Sulphur Range 3.5%	118ml			3.50		
B2375	Residual Oil Standard Sulphur Range 4%	118ml			4.00		
B2376	Residual Oil Standard Sulphur Range 4.5%	118ml			4.50		
B2278	Rice Flour OAS	30g	502-278	44.70	0.12	5.88	1.36
B2275	Rye Flour OAS	30g	502-275	44.25	0.17	5.78	1.86
B2150	Sediment (high organic) OAS	30g		6.72	0.92		0.50
B2152	Soil (low organic) OAS	30g		1.65	0.031		0.14
B2158	Sorghum Flour OAS	30g		41.58	0.105		1.46
B2271	Soy Bean Meal OAS	30g	501-561	45.18	0.37	5.69	7.98
B2274	Wheat Flour OAS	30g	502-274	43.17	0.17	5.76	2.74
B2156	Wheat Flour OAS	30g		39.53	0.098		1.47
B2260	Zinc Sulphide	50g	502-085		32.00		

Leco®

Cat No	Description	Pack	Leco® part*
C4324	Combustion Tube	1	783-299
C4200	Combustion Tube Assembly SC132/32/232	1	773-932
C4201	Combustion Tube Liner SC132/32/232	1	529-011
C4027	Filling Funnel Borosilicate Glass	1	502-023
C4060	Glass Scoop	1	503-032
C4110	Inner Combustion Tube	1	616-070
C4042	Inner Combustion Tube Ceramic	1	606-313
C4202	Lance Assembly SC132/32/232	1	772-402
C4056	Lance Tube, Drilled	1	616-632
C4111	Outer Combustion Tube	1	616-089
C4041	Outer Combustion Tube Ceramic	1	606-309
C4323	Quartz Catalyst Tube	1	782-428
C4315	Reagent Tube	1	771-373
C4043	Reagent Tube Borosilicate Glass	1	606-327
E2720	Glass Scoop 1.5ml	1	776-978
C4203	Reagent Tube SC132/32/232	1	767-541

Lance Tube
C4056

Glass Scoop
C4060

Glass Scoop
E2720

Filling Funnel
C4027

250mm

200mm

150mm

100mm

50mm

Reagent Tube
C4203

150mm

100mm

50mm

Reagent Tube
C4315

150mm

100mm

50mm

Reagent Tube
C4043

150mm

100mm

50mm

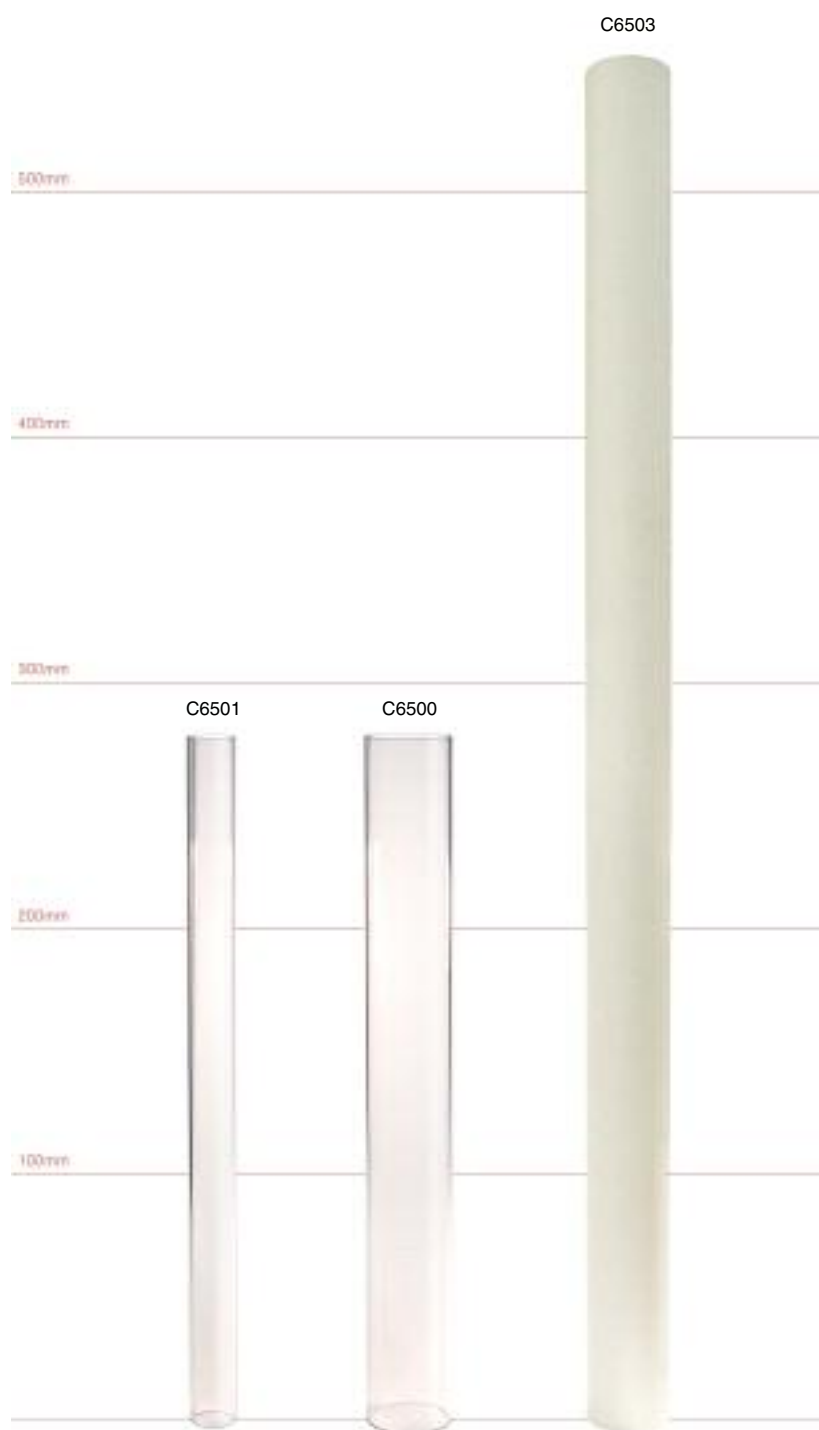
Quartz Catalyst Tube
C4323

Leco® (continued)



Eltra

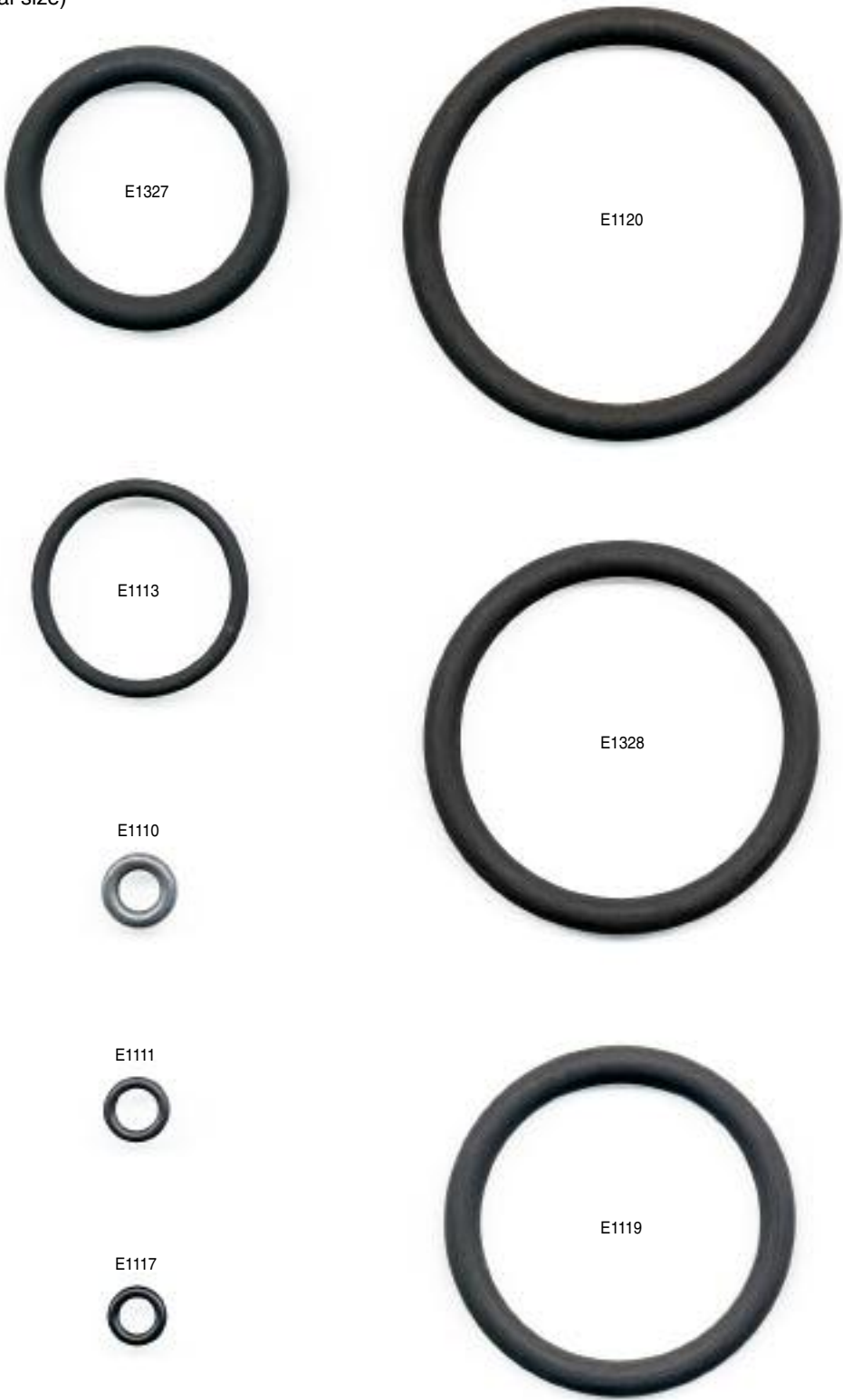
Cat No	Description	Pack	Eltra part ¹
C6503	Combustion Tube CS500	1	90162
C6500	Reagent Tube 280x32mm CS500	1	09090
C6501	Reagent Tube	1	11064



Leco®

Cat No	Description	Pack	Leco® part*
E1111	O Ring Catalyst Heater Assembly	1	772-738
E1117	O Ring Combustion System	1	606-333
E1119	O Ring Inner Combustion Tube	1	611-476
E1120	O Ring Outer Combustion Tube	1	611-477
E1113	O Ring Reagent Tube	1	773-320
E1327	O-Ring	1	616-068
E1328	O-Ring	1	783-897

(O-Rings shown actual size)



Eltra

Cat No	Description	Pack	Eltra part ¹
E1154	O-Ring	1	70320
E1155	O-Ring	1	70330
E1156	O-Ring	1	70380
E1157	O-Ring	1	70410
E1151	O-Ring 9x3	1	70230
E1153	O-Ring ON900 CS800 CS500 18x2	1	70280
E1152	O-Ring CS500 16x5	1	70270
E1150	O-Ring CS500 6x2.5	1	70150
E1210	Set of O-rings (4 x E1151, 2 x E1154, 1 x E1156, 1 x E1157)	1	70026

(O-Rings shown actual size)

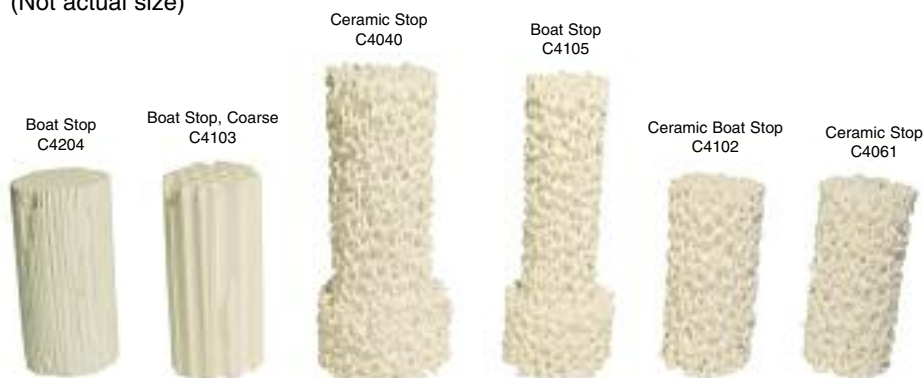


Leco®

Cat No	Description	Pack	Leco® part*
E2747	1 Gram Weight	1	764-078
E2241	3/8" Socket Cap Screw	1	190-742
E2768	Boat Puller Assembly	1	501-062
E2477	Boat Puller Assembly	1	780-044
E2769	Boat Puller for Autoloader	1	606-547
C4105	Boat Stop	1	616-086
C4103	Boat Stop, Coarse	1	
C4204	Boat Stop SC132/32/232	1	529-022
E2736	Braided Cable	1	606-319
E2772	Braided Cable (short strap)	1	613-563
E2761	Ceramic Adhesive	1	
C4102	Ceramic Boat Stop SC32/132/232	1	782-079-115
C4040	Ceramic Stop	1	606-308
E2743	Chopper Motor	1	772-560
E2770	Cleaning Brush	1	775-859
E2471	Crucible Tong	1	761-929
E2775	Delivery Tube Assembly	1	773-928
E2204	Heating Element Clamp	1	606-320
E2748	Heating Element SC232/132/32/CR-12 & CF-12	1	783-177
E2735	Heating Elements Set of 3	1	606-318
E2206	Heating Elements Set of 4	1	606-601
E2771	Lance Tube Kit	1	616-633-110
E2773	Lower Fitting Kit	1	783-030
E2375	Motor Brush for E2376 (774-571)	1	175-631
E1110	O Ring Furnace Filter/Filter Tube	1	772-520
E2244	Paper Roll SC32/132/232	1	770-764
E2151	Particle Filter	1	768-980
E2152	Printer Paper American Letter 8.5 x 11" x 600 sheets	1	601-483
E2237	Printer Ribbon SC32/132/232/CR12	1	770-778
E2153	Printer Ribbon Oki Data 320	1	601-484
E2373	Pump Kit	1	175-590
E2247	Screen Mesh SC32/132/232	1	760-193
E2235	Secondary (screen) Filter	1	775-306
E2158	Silicone Grease	100gm	501-241
E2462	Spatula	1	501-614
E2377	Teflon Disconnect Block	1	773-931
E2246	Thermocouple SC32/132/232	1	777-073
E2205	Thermocouple SC-432	1	606-224
E2376	Vacuum Pump SC32/132 24V DC	1	774-571
E2721	Victor Printer Tear Off Blade Kit	1	175-573

Heating Element
E2748Heating Element
E2735/E2206Printer Ribbon
E2237Particle Filter
E2151Printer Ribbon
Oki Data 320
E2153Thermocouple
E2246Thermocouple
E2205

(Not actual size)

Boat Stop
C4204Boat Stop, Coarse
C4103Ceramic Stop
C4040Boat Stop
C4105Ceramic Boat Stop
C4102Ceramic Stop
C4061

Eltra

Cat No	Description	Pack	Eltra part ¹
C6502	Boat Stop CS500	1	36101
E2426	Heating Elements Set of 4	1	77500
E2424	Safety Ring	1	75140
E2427	Set of fuses	1	80926
E2158	Silicone Grease	100gm	92610
E2425	Thermocouple	1	77425



Boat Stop
C6502

Cross-Reference

Leco® - Elemental Microanalysis

Leco® Part	Product	Pack	Cat. no.
175-573	Victor Printer Tear Off Blade Kit	1	E2721
175-590	Pump Kit	1	E2373
175-631	Motor Brush for E2376 (774-571)	1	E2375
190-742	3/8" Socket Cap Screw	1	E2241
501-001	Coal Standard Sulphur Range 0.3%	50g	B2300
501-005	Coal Standard Sulphur Range 1%	50g	B2304
501-014	Coal Standard Sulphur Range 1.5%	50g	B2305
501-015	Coal Standard Sulphur Range 0.85%	50g	B2303
501-022	Coal Standard Sulphur Range 3.5%	50g	B2309
501-034	Calcium Carbonate 12%	50g	B2250
501-062	Boat Puller Assembly	1	E2768
501-073	Graphite Powder	100g	B1516
501-076	Tin Metal Accelerator	908g	B1507
501-078	Iron Powder	454g	B1524
501-081	Glass Wool Borosilicate Fibres	454g	B1166
501-081	Glass Wool Rope Borosilicate Fibres	454g	B1266
501-130	Coal Standard Sulphur Range 4%	50g	B2310
501-170	Rare Earth Copper Oxide Granular 0.85 to 1.7mm	50g	B1123
501-171	EMADrone Magnesium Perchlorate	454g	B1161
501-184	Coal Standard Sulphur Range 5%	50g	B2311
501-241	Silicone Grease	100g	E2158
501-426	Combustion Aid for Solids	454g	B1185
501-427	Combustion Aid for Liquids	454g	B1186
501-520	Coal Standard Sulphur Range 3%	50g	B2308
501-561	Soy Bean Meal OAS	30g	B2271
501-563	Corn Meal OAS	30g	B2270
501-608	Quartz Wool Wadding	200g	B1522
501-614	Spatula	1	E2462
501-636	Vanadium Pentoxide Accelerator	250g	B1187
501-964	Coal Standard Sulphur Range 6%	50g	B2312
501-967	Extreme Pressure Oil Sulphur Range 2%	118ml	B2336
501-968	Extreme Pressure Oil Sulphur Range 3%	118ml	B2337
501-969	Extreme Pressure Oil Sulphur Range 4%	118ml	B2338
502-023	Filling Funnel Borosilicate Glass	1	C4027
502-071	High Sulphur Residual Oil Sulphur Range 30%	118ml	B2330
502-085	Zinc Sulphide	50g	B2260
502-091	Calcium Oxalate Standard	50g	B2350
502-092	Ethylenediaminetetra-acetic Acid (EDTA)	50g	B2115
502-156	Fluorhib	454g	B1268
502-174	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500g	B1162
502-176	EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh	500g	B1164
502-177	Quartz (Silica) Wool Fine	50g	B1102
502-202	Coal Standard Sulphur Range 0.5%	50g	B2301
502-272	Corn Gluten OAS	30g	B2272
502-273	Alfalfa OAS	30g	B2273
502-274	Wheat Flour OAS	30g	B2274
502-275	Rye Flour OAS	30g	B2275
502-276	Oatmeal OAS	30g	B2276
502-277	Barley OAS	30g	B2277
502-278	Rice Flour OAS	30g	B2278
502-301	Tungsten Trioxide Powder	125g	B1188
502-321	Combustion Catalyst	250g	B1184
502-343	Ceramic Boat Liner Nickel 50 x 15 x 8mm	100	D5300
502-351	Halogen Scrubber	50g	B1269
503-032	Glass Scoop	1	C4060
528-053	Ceramic Combustion Boat	500	C4140
528-053	Ceramic Combustion Boat	1000	C4141
528-203-500	Ceramic Boats Unglazed	500	C4136
529-011	Combustion Tube Liner SC132/32/232	1	C4201
529-022	Boat Stop SC132/32/232	1	C4204
529-203	Ceramic Boats Unglazed	100	C4036
529-204	Combustion Boat Low Profile SC144	500	C4064
601-483	Printer Paper American Letter 8.5 x 11" x 600 sheets	1	E2152
601-484	Printer Ribbon Oki Data 320	1	E2153
606-224	Thermocouple SC-432	1	E2205
606-286	Braided Cable Short Strap	1	E2737
606-308	Ceramic Stop	1	C4040
606-309	Outer Combustion Tube Ceramic	1	C4041

Leco® Part	Product	Pack	Cat. no.
606-313	Inner Combustion Tube Ceramic	1	C4042
606-318	Heating Elements Set of 3	1	E2735
606-319	Braided Cable	1	E2736
606-320	Heating Element Clamp	1	E2204
606-327	Reagent Tube Borosilicate Glass	1	C4043
606-333	O Ring Combustion System	1	E1117
606-547	Boat Puller for Autoloader	1	E2769
606-601	Heating Elements Set of 4	1	E2206
611-476	O Ring Inner Combustion Tube	1	E1119
611-477	O Ring Outer Combustion Tube	1	E1120
613-563	Braided Cable, short strap (was 606-286)	1	E2772
616-068	O-Ring	1	E1327
616-070	Inner Combustion Tube	1	C4110
616-086	Boat Stop	1	C4105
616-089	Outer Combustion Tube	1	C4111
616-632	Lance Tube, Drilled	1	C4056
616-633-110	Lance Tube Kit	1	E2771
760-193	Screen Mesh SC32/132/232	1	E2247
761-929	Crucible Tong	1	E2471
763-263	EMACEL III Tungsten	2.5kg	B1500
763-265	Glass Wool Borosilicate Fibres	227g	B1167
763-265	Glass Wool Rope Borosilicate Fibres	227g	B1267
764-078	1 Gram Weight	1	E2747
767-541	Reagent Tube SC132/32/232	1	C4203
767-757	Coal Standard Sulphur Range 2%	50g	B2306
767-758	Coal Standard Sulphur Range 2.5%	50g	B2307
767-759	Coke Standard Sulphur Range 0.9%	50g	B2316
768-980	Particle Filter	1	E2151
769-608	Halogen Trap Material	200g	B1526
769-610	F/Cl Trap Material	225g	B1527
770-764	Paper Roll SC32/132/232	1	E2244
770-778	Printer Ribbon CHN600/SC32/132/232/CR12	1	E2237
771-373	Reagent Tube	1	C4315
772-402	Lance Assembly SC132/32/232	1	C4202
772-520	O Ring Furnace Filter/Filter Tube	1	E1110
772-560	Chopper Motor	1	E2743
772-738	O Ring Catalyst Heater Assembly	1	E1111
773-320	O Ring Reagent Tube	1	E1113
773-928	Delivery Tube Assembly	1	E2775
773-931	Teflon Disconnect Block	1	E2377
773-932	Combustion Tube Assembly SC132/32/232	1	C4200
774-571	Vacuum Pump SC32/132 24V DC	1	E2376
775-306	Secondary (screen) Filter	1	E2235
775-859	Cleaning Brush	1	E2770
776-978	Glass Scoop 1.5ml	1	E2720
777-073	Thermocouple SC32/132/232	1	E2246
780-044	Boat Puller Assembly	1	E2477
781-335	Quartz Boat	1	C4508
782-059	Nickel Liner	10	D5310
782-079-115	Ceramic Boat Stop SC32/132/232	1	C4102
782-428	Quartz Catalyst Tube	1	C4323
783-030	Lower Fitting Kit	1	E2773
783-177	Heating Element SC232/132/32/CR-12 & CF-12	1	E2748
783-299	Combustion Tube	1	C4324
783-897	O-Ring	1	E1328

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

Eltra - Elemental Microanalysis

Eltra Part ¹	Product	Pack	Cat. no.
90200	EMADrone Magnesium Perchlorate	454gm	B1161
90210	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500gm	B1162
90331	Glass Wool Borosilicate Fibres	454gm	B1166
90331	Glass Wool Rope Borosilicate Fibres	454gm	B1266
90800	Graphite Powder	100gm	B1516
90260	Iron Chip Accelerator	908gm	B1195
90240	Copper Metal Accelerator	3lb	B1198
90234	Halogen Trap Material	200gm	B1526
90300	Iron Phosphate	100g	B1300
90220	EMACEL - Tungsten	2.5kg	B1505
90330	Quartz (Silica) Wool Fine	50gm	B1102
90270	Schutze Reagent	100gm	B1519
90340	Cellulose	454gm	B1520
90290	Rare Earth Copper Oxide Granular 0.85 to 1.7mm	50gm	B1123
90280	Tin Metal Accelerator	908gm	B1507
90230	Vanadium Pentoxide Accelerator	250gm	B1187
90810	Calcium Carbonate 12%	50gm	B2250
14130	Combustion tube for CS800	1	C4055
90155	Ceramic Boats Unglazed	500	C4136
90150	Ceramic Crucible	1000	C4500
90190	Graphite Crucible	100	C4612
90162	Combustion Tube CS500	1	C6503
09090	Reagent Tube 280x32mm CS500	1	C6500
36101	Boat Stop CS500	1	C6502
11064	Reagent Tube	1	C6501
11062	Reagent tubes 160 x 16mm	2	C6505
20040	Catalyst tube 200 x 16mm	1	C6506
21120	Quartz tube for purification furnace	1	C6507
70320	O-Ring	1	E1154
70330	O-Ring	1	E1155
70380	O-Ring	1	E1156
70410	O-Ring	1	E1157
70230	O-Ring 9x3	1	E1151
70280	O-Ring ON900 CS800 CS500 18x2	1	E1153
70270	O-Ring CS500 16x5	1	E1152
70150	O-Ring CS500 6x2.5	1	E1150
70026	Set of O-rings (Contains 4xE1151 2xE1154 1xE1156 1xE1157)	1	E1210
70035	O Ring Set	1	E1211
70030	O Ring Set	1	E1212
31365	Graphite tip holder	1	E2420
31360	Graphite Tip	1	E2421
31345	Upper electrode insert	1	E2422
71029	Cleaning brush for furnace	1	E2423
77500	Heating Elements Set of 4	1	E2426
75140	Safety Ring	1	E2424
80926	Set of fuses	1	E2427
92610	Silicone Grease	100gm	E2158
80927	Set of fuses	1	E2428
11185	Paper Filters Pack of 10	1	E2429
13067	Combustion Coil	1	E2430
14045	Cleaning Brush for Combustion Tube	1	E2431
14072	Ceramic heat shield for brush	1	E2432
71030	Cleaning Brush for Metal Filter	1	E2433
80925	Set of Fuses	1	E2434
14168	Pedestal	1	E2435
11105	Metal Dust Trap CS500	1	E2452
77425	Thermocouple	1	E2425

¹Eltra Part: The use of Eltra part numbers is intended for convenience only, and does not imply that the products are of Eltra origin. All Elemental Microanalysis products are guaranteed to be of high quality and are deemed to be suitable alternatives.

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