

CATALOGUE



The definitive product guide for INORGANIC 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](mailto: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
- Carbon/Sulphur
- Inorganic



### 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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## 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.

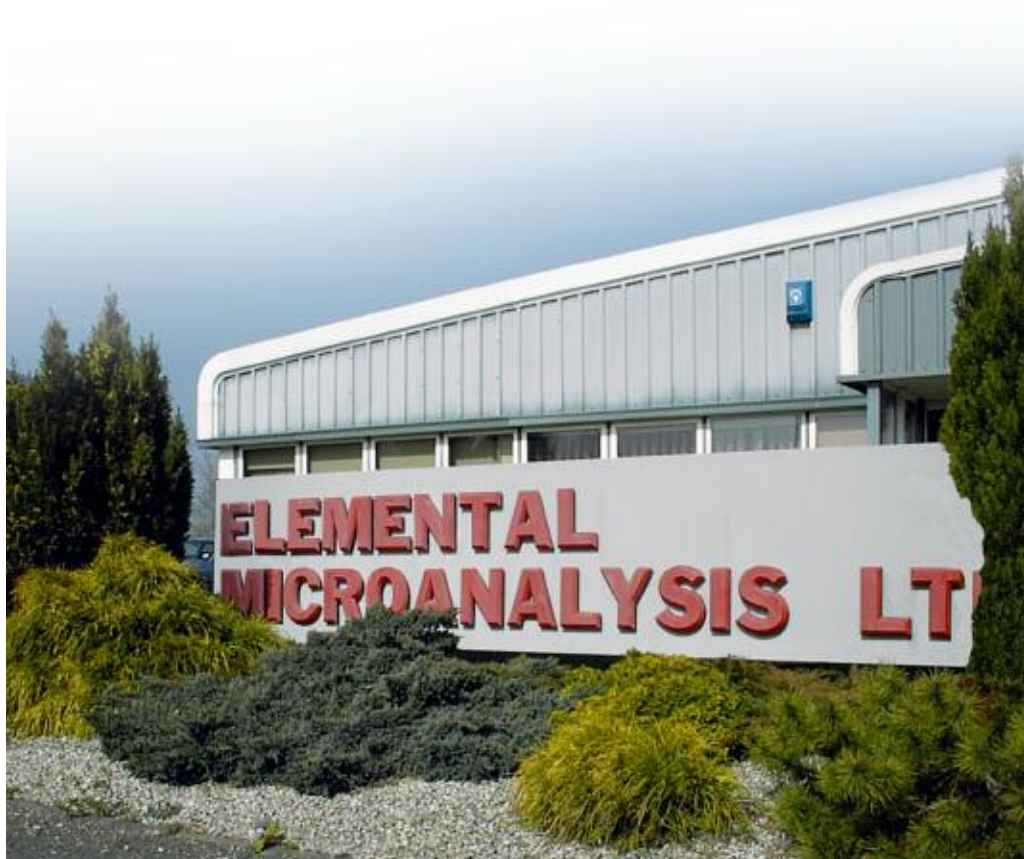
These days we offer the world's largest range of products for elemental analysers sending our products to customers across the globe.

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.



## Reagents and Catalysts

Cat No	Combined description	CP APU	Leco	Horiba	Eltra
B1520	Cellulose	454g	764-098		90340
B1161	EMADrone Magnesium Perchlorate	454g	501-171	905.200.550.001	90200
B1162	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500g	502-174	905.200.970.001	90210
B1164	EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh	500g	502-176		
B1527	F/Cl Trap Material	225g	769-610		
B1266	Glass Wool Borosilicate Fibres	454g	501-081		90331
B1267	Glass Wool Borosilicate Fibres	227g	763-265		
B1526	Halogen Trap Material	200g	769-608		90234
B1515	Manganese Dioxide	60g	501-060		
B1518	Platinum/Silica	15g	501-587		
B1102	Quartz (Silica) Wool Fine	50g	502-177	905.201.660.001	90330
B1123	Rare Earth Copper Oxide Granular 0.85 to 1.7mm	50g	501-170	905.120.240.001	90290
B1208	Silica (Quartz) Wool Very Fine	10g			

Manganese Dioxide  
B1515Copper Metal Accelerator  
B1198Tin Metal Accelerator  
B1507/8

## Accelerators and Fluxes

Cat no	Combined description	CP APU	Leco	Horiba	Eltra
B1513	Copper Accelerator	227g	501-264		
B1511	Copper Chip Accelerator	9kg	501-640		
B1198	Copper Metal Accelerator	3lb	501-263	905.202.150.001	90240
B1505	EMACEL - Tungsten	2.5kg	763-266	905.110.140.001	90220
B1501	EMACEL - Tungsten	13.6kg	763-026		
B1503	EMACEL II - Tungsten/Tin Standard Grade	2.5kg	501-008		
B1504	EMACEL II - Tungsten/Tin Standard Grade	13.6kg	502-297		
B1502	EMACEL II HP- Tungsten/Tin HP	750g	502-173		
B1506	EMACEL III - Tungsten	13.6kg	763-027		
B1500	EMACEL III Tungsten	2.5kg	763-263		
B1195	Iron Chip Accelerator	908g	501-077	905.110.300.001	90260
B1510	Iron Chip High Purity	454g	502-231		
B1509	Iron Chip Standard Grade	11.35kg	763-467		
B1512	Tin Coated Copper Accelerator	1.36kg	501-457		
B1507	Tin Metal Accelerator	908g	501-076	905.201.250.001	90280
B1508	Tin Metal Accelerator	11.35kg	762-695		

EMACEL III Tungsten  
B1500EMACEL Tungsten  
B1505Platinum/Silica  
B1518EMADrone  
Magnesium Perchlorate  
B1161



# Capsules and Crucibles

## Carbon/Sulphur analysis



Pin Standard sample

Cat no	Combined description	CP APU	Leco	Horiba	Eltra
C4036	Ceramic Boats Unglazed	100	529-203		
C4038	Ceramic Boats Unglazed	50			
C4136	Ceramic Boats Unglazed	500	528-203-500		90155
C4500	Ceramic Crucible	1000	528-018	905.200.380.001	90150
C4503	Ceramic Crucible, same crucible as C4500 (528-018)	500	528-050	905.202.200.001	
C4501	Ceramic Crucible Heavy	1000	528-038		
C4502	Crucible Cover With 10mm Hole For Use With C4500 & C4501	1000	528-043		
C4509	Crucible Cover With 4mm Hole For Use With C4500 & C4501	1000	528-040	905.130.200.001	
C4504	Crucible Liner For Use With C4500 (528-018)	10	529-036		
C4510	Filtering Crucible	100	528-028		
C4511	Filtering Crucible	100	528-030		
C4505	Porous Crucible Cover For Use With C4500 & C4501	1000	528-042		



Ring Standard sample

# Reference Materials

## Carbon/Sulphur analysis

Part. no	Form	Pack	% Carbon	% Sulphur	Leco® Part <sup>1</sup>
B2700	Cast Iron	150gm	1	0.01	
B2701	Cast Iron	150gm	2.2	0.01	501-105
B2702	Cast Iron	150gm	3.4	0.1	
B2703	Cast Iron	150gm	3.35	0.07	
B2704	Grey Iron	150gm	3.4	0.03	
B2705	Nodular Iron	150gm	3.9	0.01	
B2706	Nodular Iron	150gm	3.5	0.01	
B2707	Nodular Iron	150gm	3.7	0.01	
B2708	Ductile Iron	150gm	4.2	0.01	
B2709	Malleable Iron	150gm	2.7	0.01	
B2500	Steel Ring 1gm	454gm	0.03 - 0.04	0.015 - 0.025	501-501
B2501	Steel Ring 1gm	454gm	0.035 - 0.055	0.005 - 0.015	501-502
B2502	Steel Ring 1gm	454gm	0.15 - 0.25	0.003 - 0.015	501-503
B2503	Steel Ring 1gm	454gm	0.35 - 0.5	0.001 - 0.010	501-504
B2504	Steel Ring 1gm	454gm	0.65 - 0.75	0.001 - 0.010	501-505
B2505	Steel Ring 1gm	454gm	0.75 - 0.85	0.005 - 0.015	501-506
B2510	Steel Pin 0.5gm	250gm	2 - 3	0.05 - 0.1	
B2511	Steel Pin 0.5gm	250gm	0.04 - 0.08	0.15 - 0.25	
B2512	Steel Pin 0.5gm	250gm	0.01 - 0.05	0.25 - 0.35	
B2513	Steel Pin 1gm	454gm	0.015 - 0.025	0.001 - 0.01	501-674
B2514	Steel Pin 1gm	454gm	0.05 - 0.1	0.015 - 0.03	501-675
B2515	Steel Pin 1gm	454gm	0.15 - 0.25	0.015 - 0.03	501-677
B2516	Steel Pin 1gm	454gm	0.35 - 0.5	0.005 - 0.015	501-678
B2517	Steel Pin 1gm	454gm	0.75 - 0.95	0.015 - 0.03	501-679
B2518	Steel Pin 1gm	454gm	0.02 - 0.06	0.15 - 0.25	
B2519	Steel Pin 1gm	454gm	0.9 - 1.1	0.005 - 0.015	
B2520	Steel Pin 1gm	454gm	0.08 - 0.12	0.01 - 0.03	
B2521	Steel Pin 1gm	454gm	0.03 - 0.07	0.025 - 0.035	501-147
B2522	Steel Pin 1gm	454gm	0.004 - 0.008	0.001 - 0.005	501-148
B2523	Steel Pin 1gm	454gm	0.65 - 0.75	0.01 - 0.02	



Ceramic crucibles C4500



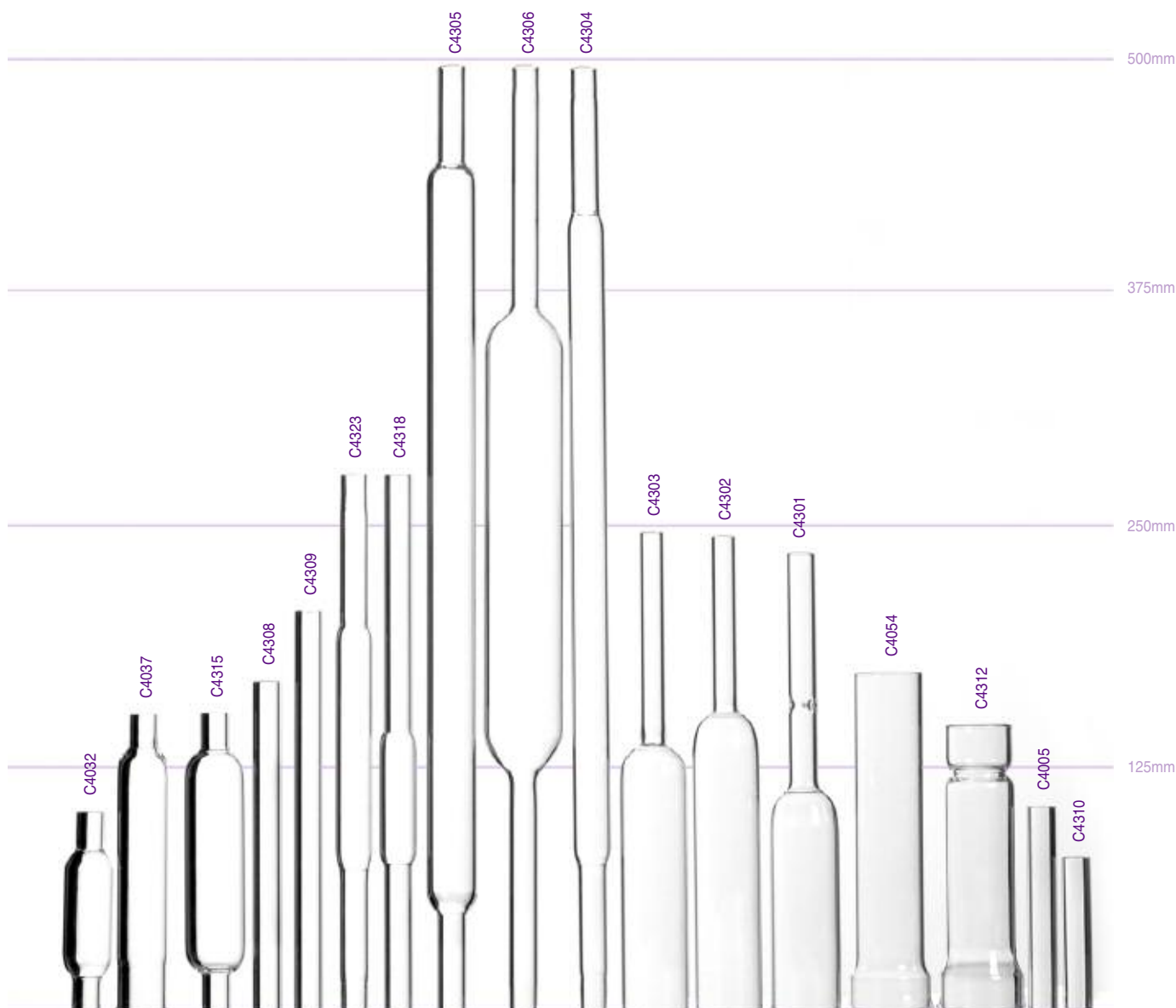
Crucible Covers C4502

Part. no	Form	Pack	% Carbon	ppm Sulphur	Leco® Part <sup>1</sup>
B2620	Copper Pin 1gm	100gm		15 - 20	
B2621	Copper Pin 1gm	100gm		2 - 8	
B2622	Copper Pin 1gm	100gm		10 - 15	



Leco®

Cat no	Combined description	CP APU	Leco® part*
C4032	Bubble/Filter/Reagent Tube Borosilicate Glass	1	771-030
C4318	Catalyst Heater Tube	1	772-739
C4400	Ceramic Pedestal 3.05"	1	529-007
C4054	Combustion tube	1	772-905
C4312	Combustion Tube	1	762-056
C4324	Combustion Tube	1	783-299
C4301	Combustion Tube (Sulphur In Oil)	1	519-004
C4302	Combustion Tube (Sulphur)	1	550-120
C4037	Furnace Filter Tube Borosilicate Glass	1	601-390
C4060	Glass Scoop	1	503-032
C4303	Jet Combustion Tube	1	550-122
C4304	Quartz Catalyst Tube	1	601-064
C4306	Quartz Catalyst Tube	1	604-112
C4323	Quartz Catalyst Tube	1	782-428
C4305	Reagent Tube	1	601-065
C4308	Reagent Tube	1	760-317
C4309	Reagent Tube	1	760-333
C4310	Reagent Tube	1	761-047
C4315	Reagent Tube	1	771-373
C4005	Reagent/Filter Tube Borosilicate Glass	1	775-880



## Horiba

Cat no	Combined description	CP APU	Horiba part <sup>†</sup>
C4700	Reagent Tube Pyrex 20mm dia. X 150 Horiba	1	905.201.450.001
C4701	Combustion Tube Transp Quartz 35mm dia. X 148 Length HF Furnace	1	905.200.560.001

C4700



C4701



Eltra

Cat no	Combined description	CP APU	Eltra part <sup>1</sup>
C4055	Combustion tube for Eltra CS800	1	14130

C4055





### Leco®

Cat no	Combined description	CP APU	Leco® part*
E1109	O Ring Doser Valve Assembly	10	772-269
E1110	O Ring Furnace Filter/Filter Tube	1	772-520
E1111	O Ring Catalyst Heater Assembly	1	772-738
E1113	O Ring Reagent Tube	1	773-320
E1121	O Ring Combustion System	1	760-841
E1122	O Ring Precooler Assembly	1	771-991
E1127	O Ring Lance Tube	1	760-224
E1133	O Ring Filter Tube	1	765-976
E1301	O Ring	1	521-113
E1302	O Ring	1	578-672
E1303	O Ring	1	601-920
E1304	O Ring	1	604-172
E1307	O Ring	1	760-359
E1308	O Ring	1	762-058
E1314	O Ring	1	781-424
E1346	O Ring	1	617-083

E1121



E1307



E1127



O-rings shown actual size

E1110



E1304



E1314



E1308

E1111



E1301



E1303



E1133

E1109



E1122



E1302



E1113

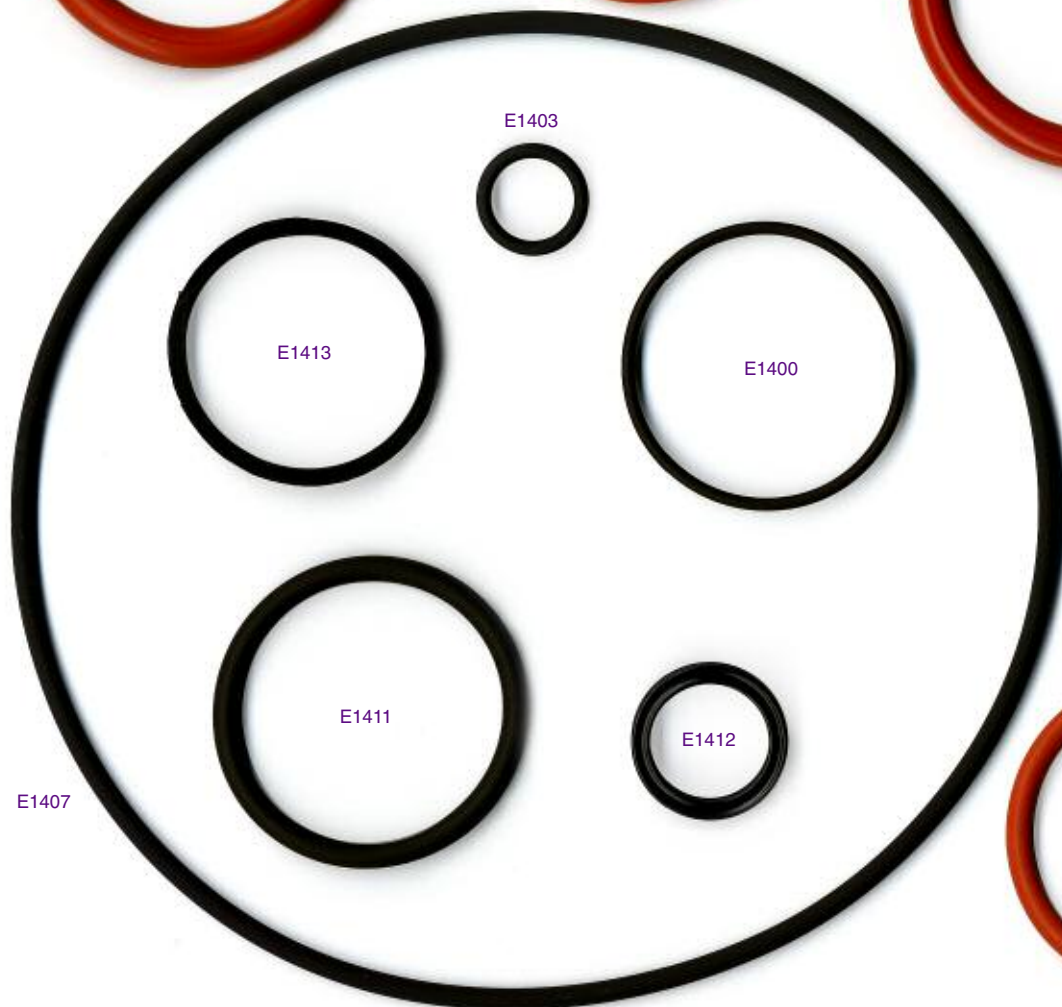
E1346



## Horiba

Cat no	Combined description	CP APU	Horiba part <sup>†</sup>
E1400	O-Ring	1	F0021.294.800
E1401	O Ring	10	905.201.280.001
E1402	O Ring	1	F0020.945.500
E1403	O Ring	10	905.200.430.001
E1404	O Ring	1	F0020.031.900
E1405	O Ring	10	905.200.640.001
E1406	O Ring	2	905.201.240.001
E1407	O Ring	1	F0020.433.100
E1408	O Ring	1	905.202.030.001
E1409	O Ring	2	905.202.050.001
E1410	O Ring	1	905.202.060.001
E1411	O Ring	2	905.202.070.001
E1412	O Ring	2	905.202.080.001
E1413	O Ring	1	905.202.140.001
E1414	O Ring	2	905.202.120.001

O-rings shown actual size



## Eltra

Cat. no.	Product	Pack	Eltra Part <sup>1</sup>
E1151	O-Ring 9x3	1	70230
E1153	O-Ring ELTRA ON900 CS800 CS500 18x2	1	70280
E1154	O-Ring	1	70320
E1155	O-Ring	1	70330
E1156	O-Ring	1	70380
E1157	O-Ring	1	70410
E1212	O-Ring Set	1	70030

O-rings shown actual size





Leco®

Cat. no.	Product	Pack	Leco® Part*
E2738	Brush	1	610-735
E2739	Brush	1	773-561
E2740	Brush	1	604-136
E2741	Brush	1	773-314
E2471	Crucible Tong	1	761-929
E2710	Dust Eject Tube 19"	1	776-095
C4027	Filling Funnel Borosilicate Glass	1	502-023
E2489	Filter Dust Box	1	776-234
E2752	Filter Metal For Autoclean Head	1	778-596
E2488	Filter Metal for Manual Cleaning Head	1	773-311
E2765	Induction Coil	1	776-129
E2766	Induction Coil	1	566-008
C4401	Insert Pedestal	1	550-123
E2727	Lance 4.25"	1	789-115
E2751	Lance 5.2"	1	789-118
E2728	Lance Cleaning Rod	1	772-381
E2724	Nut	1	194-060
E2497	Oscillator Tube	1	771-354
E2744	Oven Fan Assembly Small	1	772-795
C4328	Oxygen Lance WR12	1	765-717
E2244	Paper Roll SC32/132/232	1	770-764
E2151	Particle Filter	1	768-980
C4403	Ceramic Pedestal 2.5"	1	550-124
C4402	Pedestal 2.75"	1	764-490
E2467	Pedestal Adapter	1	605-818
E2494	Pedestal Adapter	1	605-817
E2723	Pedestal Adapter	1	605-815
E2753	Pedestal Adapter	1	783-745
E2726	Pedestal Assembly	1	605-814
E2757	Pedestal CS-125	1	780-953
E2152	Printer Paper American Letter 8.5 x 11" x 600 sheets	1	601-483
E2155	Printer Paper Roll 4.5 x 3 x 0.375" 115 x 78 x 10mm	1	780-927
E2156	Printer Ribbon	1	780-928
E2237	Printer Ribbon CHN600/SC32/132/232/CR12	1	770-778
E2153	Printer Ribbon Oki Data 320	1	601-484
E2758	Quartz Pedestal	1	771-606
E2495	Quartz Pedestal (Was 776-923)	1	604 115
E2730	Quick Disconnect Block CS244	1	
E2247	Screen Mesh SC32/132/232	1	760-193
E2235	Secondary (screen) Filter	1	775-306
E2725	Shield & Collar	1	776-922
E2158	Silicone Grease	100g	501-241
E2466	Silicone Nitride Pedestal	1	605-816
E2473	Stainless Steel Scoop Assembly	1	773-579
E2485	Throat Brush Large	1	762-697
E2182	Tube Fitting Brass 10/32 to 1/16" ID tube	1	773-661
E2468	Tweezer	1	760-138
E2496	Up / Down Solenoid	1	776-020
E2750	Vacuum Filter CS-444, IR-432 & IR-412	1	782-880
E2460	Wire Brush	1	501-082

(Items pictured are not to scale)



Throat Brush large E2485



### Horiba

Cat. no.	Product	Pack	Horiba Part <sup>†</sup>
E2900	Spoon for Weighing Tungsten	1	905.200.320.001
E2901	Cylindrical Filter Stainless Steel 2u HF Furnace Dust Filter	1	905.201.830.001
E2902	Cylindrical Filter Stainless Steel 2u HF Furnace Dust Filter	1	905.201.930.001
E2903	Cylindrical Filter Stainless Steel 2u HF Furnace Cylindrical Filter	1	905.202.110.001
E2904	Brush 34mm dia. Cylindrical Brush for Dust Removal	2	905.201.210.001
E2905	Wire Brush Bs Wire Flat Type Brush for Dust Removal	1	905.120.320.001
E2906	Silicone Tube 120mm for Dust Valve	5	905.201.890.001
E2907	Silicone Tube for Dust Valve	5	905.201.850.001
E2908	Silicone Tube for Dust Valve	5	G881.62.53
E2909	Exhaust Tube Ultra Soft Flex for Dust Box	1	905.201.910.001
E2910	Exhaust Tube Ultra Soft Flex for Dust Box	1	H0370.434.001
E2911	Upper Brush 0.2mm dia. For Automatic Cleaner (Optional for 320V)	1	905.201.950.001
E2912	Lower Brush 0.3mm dia. For Automatic Cleaner	1	905.201.940.001
E2913	Brush for Automatic Cleaner	2	905.201.810.001
E2914	Lower Brush 0.2mm dia. For Automatic Cleaner (Optional for 320V & 220V)	1	905.202.040.001
E2915	Dust Catcher, Flame Retarded Fibre Black Coloured) Filter for Dust Box	1	905.202.090.001
E2916	HEPA Filter (White) for Dust Box Horiba	1	905.202.130.001
E2917	Filter on Side for Ambient Air Horiba	1	G881.62.54
E2918	Mask Filter 89-018-02 White Filter for Dust Box Horiba	5	905.201.920.001
E2919	Oscillator Tube 6T58RA Furnace Oscillator Tube Horiba	1	905.201.320.001
E2920	Work Coil for Heating Sample HF Furnace for Induction Heating Horiba	1	905.201.300.001
E2921	Net Filter 100mesh SUS dia 7 for Reagent tube Horiba	10	905.200.920.001



Brush E2911



## Eltra

Cat. no.	Product	Pack	Eltra Part <sup>1</sup>
E2432	Ceramic heat shield for brush	1	14072
E2431	Cleaning Brush for Combustion Tube	1	14045
E2433	Cleaning Brush for Metal Filter	1	71030
E2430	Combustion Coil	1	13067
E2452	Metal Dust Trap ELTRA CS500	1	11105
E2429	Paper Filters Pack of 10	1	11185
E2424	Safety Ring	1	75140
E2434	Set of Fuses	1	80925
C2435	Pedestal	1	14168



Metal  
dust trap  
E2452



\***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.

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

<sup>1</sup> **Eltra 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.



### Reagents and Catalysts

Cat No	Combined description	CP APU	Leco® part*	Horiba part†	Eltra part‡
B1125	Copper Oxide Fine Wires 4 x 0.5mm	100g	502-190		
B1122	Copper Oxide Wires Fine Wires 4 x 0.5mm	250g			
B1136	Copper Turnings Extra Fine Long Strands	100g			
B1107	Copper Turnings Fine Long Strands	200g	501-621		
B1015M	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	502-189		
B1083M	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454g	502-304-500		
B1161	EMADrone Magnesium Perchlorate	454g	501-171	905.200.550.001	90200
B1162	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500g	502-174	905.200.970.001	90210
B1164	EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh	500g	502-176		
B1266	Glass Wool Borosilicate Fibres	454g	501-081		90331
B1267	Glass Wool Borosilicate Fibres	227g	763-265		
B1516	Graphite Powder	100g	501-073		90800
B1102	Quartz (Silica) Wool Fine	50g	502-177	905.201.660.001	90330
B1522	Quartz Wool Wadding	200g	501-608		
B1123	Rare Earth Copper Oxide Granular 0.85 to 1.7mm	50g	501-170	905.120.240.001	90290
B1519	Schutze Reagent	100g	761-747		90270
B1208	Silica (Quartz) Wool Very Fine	10g			

### Accelerators and Fluxes

Cat No	Combined description	CP APU	Leco® part*	Horiba part†	Eltra part‡
B1514	Nibbled Nickel Flux	100g	501-598		
D9149	Tin Flux Pellets 0.5g Per Pellet 5mm Diameter	454	764-242		
D9150	Tin Flux Pellets 0.5g Per Pellet 8mm Diameter	454g	761-739		
B1507	Tin Metal Accelerator	908g	501-076	905.201.250.001	90280
B1508	Tin Metal Accelerator	11.35kg	762-695		



Copper Turnings



Copper Oxide Wires B1122



Tin Flux Pellets D9150



Rare Earth Copper Oxide Granular B1123



EMADrone Magnesium Perchlorate B1161



Tin Metal Accelerator B1507

Cat no	Combined description	CP APU	Leco® part*	Horiba part†	Eltra part‡
C4600	Graphite Crucible	100	760-034		
C4601	Graphite Crucible	100	760-414		
C4602	Graphite Crucible	100	763-213		
C4603	Graphite Crucible	100	764-330		
C4608	Graphite Crucible	100	769-994		
C4612	Graphite Crucible	100	776-247		90190
C4613	Graphite Crucible	100	778-674		
C4606	Graphite Crucible Cover For Use With C4605 (769-520)	100	769-569		
C4604	Graphite Crucible Pack of 100	100	767-277		
C4630	Graphite Crucibles Horiba EMGA620	200		905.200.010.001	
C4619	High Temp Graphite Crucible	100	782-720		
C4625	High Temp Graphite Crucible	100	782-720 S		
C4626	High Temp Graphite Crucible	1000	782-720 S		
C4627	High Temp Graphite Crucible	5000	782-720 S		
C4609	Inner Graphite Crucible For Use With C4610 (775-433)	100	775-431		
C4611	Inner Graphite Crucible For Use With C4610 (775-433)	100	775-892		
D9153	Nickel Basket 1.5g Each	100	763-029		
D9154	Nickel Basket 1g Each	100	763-065		
D3506	Nickel Capsules 12 x 6mm	100	502-183		
C4610	Outer Graphite Crucible For Use With C4609 & C4611	50	775-433		
C4506	Quartz Crucible	24	603-710		
C4507	Quartz Crucible	1	768-704		
C4605	Short Graphite Crucible	100	769-520		
D4003	Smooth Wall Tin Capsules Round Base 18 x 5mm	100	501-059		
D4007	Smooth Wall Tin Capsules Round Base 18 x 6mm	100	502-040		
D4015	Smooth Wall Tin Capsules Round Base 18 x 6mm	1000	502-040-100		
C4607	Tall Graphite Crucible	100	769-761		
D1000	Tin Capsules Pressed, Standard Weight 4 x 3.2mm	500	502-227		



Graphite Crucibles C4625



Nickel baskets D9153

Graphite Crucibles sample



Smooth Wall Tin Capsules D4007



Graphite Crucibles (shown actual size)







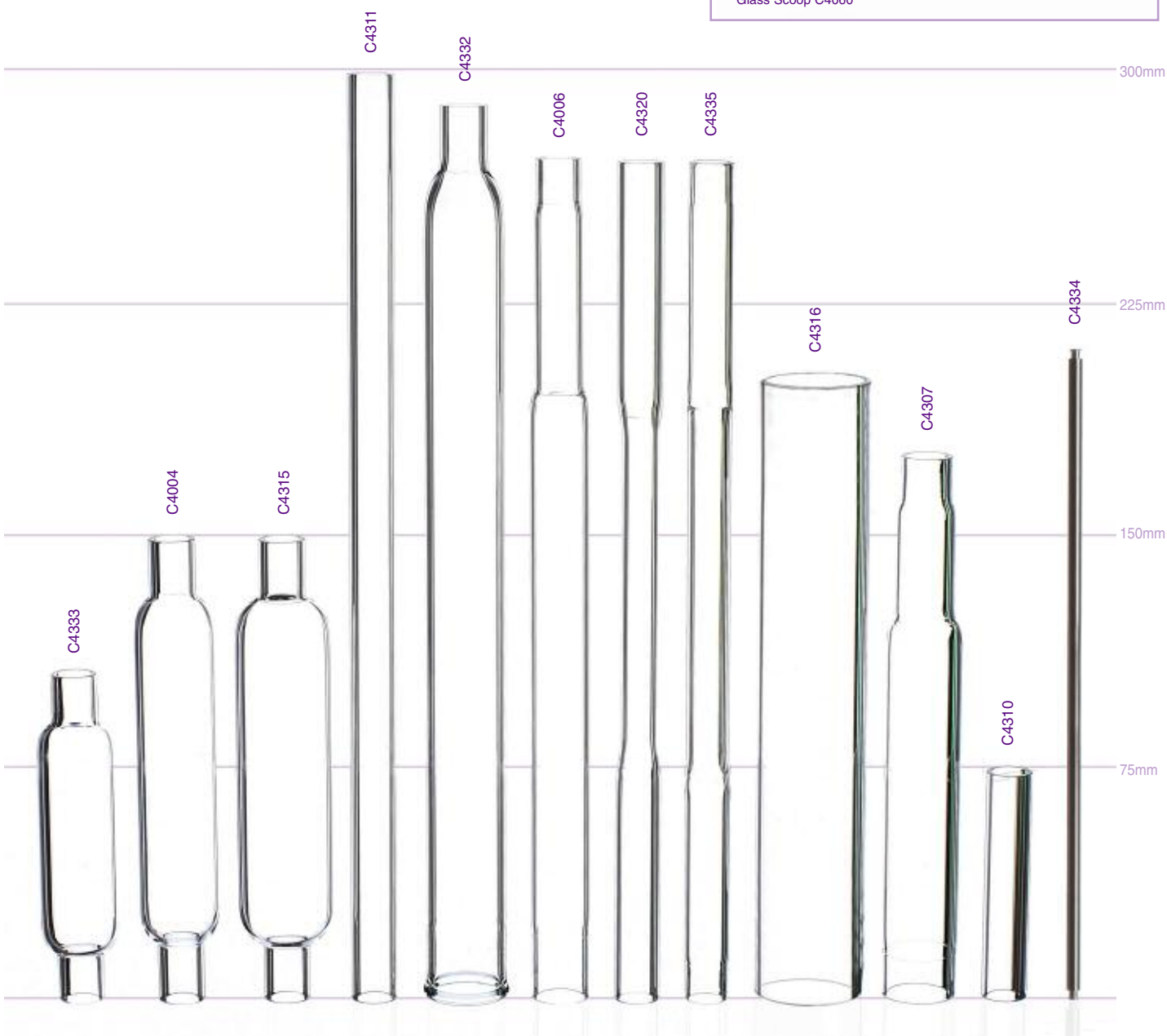
Part No.	Form	Pack	Nitrogen ppm	Oxygen ppm	Hydrogen ppm
B2400	Steel Pin 0.5gm	50gm	50-80	100-200	
B2401	Steel Pin 0.5gm	50gm	100-300	5-30	
B2402	Steel Pin 0.5gm	50gm	30-70	30-70	
B2403	Steel Pin 0.5gm	50gm	600-700	20-60	
B2404	Steel Pin 0.5gm	50gm	900-1500	20-70	
B2405	Steel Pin 0.5gm	50gm	70-130	15-50	
B2406	Steel Pin 0.5gm	50gm	150-250	30-70	
B2407	Steel Pin 0.5gm	50gm	300-600	20-80	
B2408	Steel Pin 0.5gm	50gm	25-40	15-35	
B2409	Steel Pin 0.5gm	50gm	3000-4500	-	
B2410	Steel Pin 0.5gm	50gm	15-40	-	
B2411	Steel Pin 1gm	100gm	100-300	5-30	
B2412	Steel Pin 1gm	100gm	30-70	30-70	
B2413	Steel Pin 1gm	100gm	600-700	20-60	
B2414	Steel Pin 1gm	100gm	900-1500	20-70	
B2415	Steel Pin 1gm	100gm	50-80	100-200	
B2416	Steel Pin 1gm	100gm	70-130	15-50	
B2417	Steel Pin 1gm	100gm	150-250	30-70	
B2418	Steel Pin 1gm	100gm	300-600	20-80	
B2419	Steel Pin 1gm	100gm	25-40	15-35	
B2620	Copper Pin 1gm	100gm		5 - 15	
B2621	Copper Pin 1gm	100gm		400 - 600	
B2622	Copper Pin 1gm	100gm		280 - 320	
B2600	Titanium Pin 0.25gm	25gm	40 - 60	800 - 1300	10 - 35
B2601	Titanium Pin 0.25gm	25gm	100 - 140	1300 - 1800	30 - 60
B2602	Titanium Pin 0.25gm	25gm	100 - 130	700 - 900	90 - 150
B2603	Titanium Pin 0.25gm	25gm	125 - 150	800 - 900	150 - 250
B2604	Titanium Pin 0.25gm	25gm	300 - 400	1800 - 2000	30 - 90
B2605	Titanium Pin 0.1gm	10gm	75 - 100	1700 - 1900	20 - 70
B2630	Steel Pin 1gm	100gm			0.5 - 1.5
B2631	Steel Pin 1gm	100gm			1.5 - 4
B2632	Steel Pin 1gm	100gm			4 - 6
B2460	Zirconium Pin 0.1gm	10gm	35-55	1100-1300	15-20



Pin Standard Sample

Leco®

Cat no	Combined description	CP APU	Leco® part*
C4319	Antimony Trap Tube	1	773-106
C4320	Catalyst Heater Tube	1	775-355
C4006	Catalyst Heater Tube Transparent Silica	1	776-279
C4335	Catalyst Tube	1	789-412
C4325	Funnel	1	767-473
C4060	Glass Scoop	1	503-032
C4333	Quartz Tube TCH600	1	617-716
C4307	Reaction Tube	1	604-241
C8070	Reaction Tube DH-103	1	601-201
C4316	Reaction Tube RH2	1	771-401
C4311	Reagent Tube	1	761-190
C4310	Reagent Tube	1	761-047
C4315	Reagent Tube	1	771-373
C4332	Reagent Tube	1	617-548
C4004	Reagent Tube Borosilicate Glass	1	775-601
C4322	Reaction Tube RH101 & DH102	1	780-047
C4334	Tube	1	617-171





## Horiba

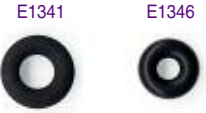
Cat no	Combined description	CP APU	Horiba part <sup>†</sup>
C4700	Reagent Tube Pyrex 20mm dia. x 150	1	905.201.450.001

C4700



Leco®

Cat. no.	Product	Pack	Leco® Part*
E1300	O Ring	1	156-002
E1305	O Ring	1	760-226
E1306	O Ring	1	760-335
E1310	O Ring	1	762-357
E1311	O Ring	1	771-407
E1312	O Ring	1	771-445
E1313	O Ring	1	775-312
E1341	O Ring	1	774-253
E1342	O Ring	1	774-425
E1343	O Ring	1	775-677
E1344	O Ring	1	601-684
E1345	O Ring	1	617-136
E1346	O Ring	1	617-083
E1347	O Ring	1	617-440
E1111	O Ring Catalyst Heater Assembly	1	772-738
E1131	O Ring Catalyst Heater Tube	1	778-114
E1121	O Ring Combustion System	1	760-841
E1123	O Ring Combustion System	1	774-489
E1133	O Ring Filter Tube	1	765-976
E1110	O Ring Furnace Filter/Filter Tube	1	772-520
E1100	O Ring Sample Drop Block	1	772-910
E1112	O Ring Sample Drop Block	1	589-551
E1114	O Ring Sample Drop Block	1	773-913
E1130	O Ring Sample Drop Block Piston	1	774-613
E1132	Seal Viton	1	589-305



O-rings shown actual size



## Horiba

Cat no	Combined description	CP APU	Horiba part <sup>†</sup>
E1403	O Ring	10	905.200.430.001
E1405	O Ring	10	905.200.640.001
E1430	O Ring Lower Electrode	10	905.201.400.001
E1431	O Ring	10	905.201.410.001
E1432	O Ring	10	902.500.010.001
E1433	O Ring	5	905.130.350.001
E1434	O Ring	10	902.900.070.001
E1435	O Ring	10	905.120.100.001
E1436	O Ring	5	905.200.650.001
E1437	O Ring	5	905.201.460.001
E1438	O Ring	5	905.201.470.001

O-rings shown actual size



Eltra

Cat. no.	Product	Pack	Eltra Part <sup>1</sup>
E1211	O Ring Set	1	70035
E1155	O-Ring	1	70330
E1151	O-Ring 9x3	1	70230
E1153	O-Ring ELTRA ON900 CS800 CS500 18x2	1	70280

O-rings shown actual size





### Leco®

Cat. no.	Product	Pack	Leco® part*
E2487	Brush Head	1	774-652
E2474	Cleaning Brush Assembly (774-652 Brush Only)	1	774-649
E2479	Cleaning Brush Assembly (782-877 Brush Only)	1	782-918
E2480	Cleaning Brush Assembly (782-938 Brush Only)	1	782-942
E2469	Crucible Tweezer	1	760-139
E2472	Crucible Tweezers	1	766-053
E2788	Electrode Insert	1	618-482
E2704	Fan Patriot 240v	1	781-371
C4027	Filling Funnel Borosilicate Glass	1	502-023
E2776	Filter Particulate Pack of 50	1	502-374
E2490	Handle For E2484 (188-012) Brush	1	
E2492	Handle For E2486 (782-877) Brush	1	
E2491	Handle For E2487 (774-652) Brush	1	
E2483	Lower Electrode Tip	1	774-691
E2482	Lower Electrode Tip For C4603 (764-330)	1	783-568
E2481	Lower Electrode Tip For C4618 & C4619	1	782-721
E2789	Lubricool Cooling Agent	1	765-933
E2464	O-Ring Installation Tube	1	603-350
E2744	Oven Fan Assembly Small	1	772-795
E2244	Paper Roll SC32/132/232	1	770-764
E2151	Particle Filter	1	768-980
E2467	Pedestal Adapter	1	605-818
E2461	Preparation File	1	501-234
E2152	Printer Paper American Letter 8.5 x 11" x 600 sheets	1	601-483
E2155	Printer Paper Roll 4.5 x 3 x 0.375" 115 x 78 x 10mm	1	780-927
E2156	Printer Ribbon	1	780-928
E2237	Printer Ribbon CHN600/SC32/132/232/CR12	1	770-778
E2153	Printer Ribbon Oki Data 320	1	601-484
E2230	Sample Drop Plate Stainless Steel FP328/428	1	606-121
E2782	Screw	1	190-142
E2783	Screw	1	190-217
E2784	Screw	1	190-718
E2786	Screw	1	190-745
E2787	Screw	1	190-799
E2238	Seal Piston, for RO-478	1	601-883
E2235	Secondary (screen) Filter	1	775-306
E2158	Silicone Grease	100g	501-241
E2475	Small Cleaning Brush Assembly (188-012 Brush Only)	1	775-416
E2039	Snoop Leak Detection Fluid	1	
E2371	Thermocouple Type S	1	781-585
E2485	Throat Brush Large	1	762-697
E2486	Trim Step Brush	1	782-877
E2468	Tweezer	1	760-138
E2750	Vacuum Filter CS-444, IR-432 & IR-412	1	782-880

\*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.



Trim Step Brush  
E2486



Particle Filter  
E2151



Brush Head  
E2487



Crucible Tweezers  
E2472

Horiba

Cat. no.	Product	Pack	Horiba Part <sup>†</sup>
E2917	Filter on Side for Ambient Air	1	G881.62.54
E2905	Wire Brush Bs Wire Flat Type Brush for Dust Removal	1	905.120.320.001



Wire Brush  
E2905



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

### Eltra

Cat. no.	Product	Pack	Eltra Part <sup>1</sup>
E2423	Cleaning brush for furnace ELTRA	1	71029
E2421	Graphite Tip	1	31360
E2420	Graphite tip holder	1	31365
E2428	Set of fuses	1	80927
E2422	Upper electrode insert	1	31345



Furnace Cleaning Brush  
E2423

Graphite Tip  
E2421



<sup>1</sup>Eltra 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.



# Leco® - Elemental Microanalysis Cross-Reference



Leco® Part*	Cat. no.	Product	Pack	Leco® Part*	Cat. no.	Product	Pack
156-002	E1300	O Ring	1	521-113	E1301	O Ring	1
188-012	E2484	Brush Head	1	528-018	C4500	Ceramic Crucible	1000
190-142	E2782	Screw	1	528-028	C4510	Filtering Crucible	100
190-217	E2783	Screw	1	528-030	C4511	Filtering Crucible	100
190-718	E2784	Screw	1	528-038	C4501	Ceramic Crucible Heavy	1000
190-745	E2786	Screw	1	528-040	C4509	Crucible Cover With 4mm Hole For Use With C4500 & C4501	1000
190-799	E2787	Screw	1	528-042	C4505	Porous Crucible Cover For Use With C4500 & C4501	1000
194-060	E2724	Nut	1	528-043	C4502	Crucible Cover With 10mm Hole For Use With C4500 & C4501	1000
501-001	B2300	Coal Standard Sulphur Range 0.3%	50g	528-050	C4503	Ceramic Crucible Like C4500 (528-018)	500
501-005	B2304	Coal Standard Sulphur Range 1%	50g	528-203-500	C4136	Ceramic Boats Unglazed	500
501-008	B1503	EMACEL II - Tungsten/Tin Standard Grade	2.5kg	529-007	C4400	Ceramic Pedestal 3.05"	1
501-014	B2305	Coal Standard Sulphur Range 1.5%	50g	529-036	C4504	Crucible Liner For Use With C4500 (528-018)	10
501-015	B2303	Coal Standard Sulphur Range 0.85%	50g	529-203	C4036	Ceramic Boats Unglazed	100
501-022	B2309	Coal Standard Sulphur Range 3.5%	50g	550-120	C4302	Combustion Tube (Sulphur)	1
501-059	D4003	Smooth Wall Tin Capsules Round Base 18 x 5mm	100	550-122	C4303	Jet Combustion Tube	1
501-060	B1515	Manganese Dioxide	60g	550-123	C4401	Insert Pedestal	1
501-073	B1516	Graphite Powder	100g	550-124	C4403	Ceramic Pedestal 2.5"	1
501-076	B1507	Tin Metal Accelerator	908g	566-008	E2766	Induction Coil	1
501-077	B1195	Iron Chip Accelerator	908g	578-672	E1302	O Ring	1
501-081	B1266	Glass Wool Borosilicate Fibres	454g	589-305	E1132	Seal Viton	1
501-082	E2460	Wire Brush	1	589-551	E1112	O Ring Sample Drop Block	1
501-105	B2701	Cast Iron Standard	150g	601-064	C4304	Quartz Catalyst Tube	1
501-123	B2800	Tungsten Carbide Standard	100g	601-065	C4305	Reagent Tube	1
501-130	B2310	Coal Standard Sulphur Range 4%	50g	601-201	C8070	Reaction Tube DH-103	1
501-147	B2621	Copper Pin Standard 1G	100g	601-390	C4037	Furnace Filter Tube Borosilicate Glass	1
501-148	B2622	Copper Pin Standard 1G	100g	601-483	E2152	Printer Paper American Letter 8.5 x 11" x 600 sheets	1
501-170	B1123	Rare Earth Copper Oxide Granular 0.85 to 1.7mm	50g	601-484	E2153	Printer Ribbon Oki Data 320	1
501-171	B1161	EMADrone Magnesium Perchlorate	454g	601-684	E1344	O Ring	1
501-184	B2311	Coal Standard Sulphur Range 5%	50g	601-883	E2238	Seal Piston, for RO-478	1
501-234	E2461	Preparation File	1	601-920	E1303	O Ring	1
501-241	E2158	Silicone Grease	100g	603-350	E2464	O-Ring Installation Tube	1
501-263	B1198	Copper Metal Accelerator	3lb	603-710	C4506	Quartz Crucible	24
501-264	B1513	Copper Accelerator	227g	604 115	E2495	Quartz Pedestal (Was 776-923)	1
501-457	B1512	Tin Coated Copper Accelerator	1.36kg	604-112	C4306	Quartz Catalyst Tube	1
501-501	B2500	Ring Standard 1g	454g	604-136	E2740	Brush	1
501-502	B2501	Ring Standard 1g	454g	604-172	E1304	O Ring	1
501-503	B2502	Ring Standard 1g	454g	604-241	C4307	Reaction Tube	1
501-504	B2503	Ring Standard 1g	454g	605-814	E2726	Pedestal Assembly	1
501-505	B2504	Ring Standard 1g	454g	605-815	E2723	Pedestal Adapter	1
501-506	B2505	Ring Standard 1g	454g	605-816	E2466	Silicone Nitride Pedestal	1
501-520	B2308	Coal Standard Sulphur Range 3%	50g	605-817	E2494	Pedestal Adapter	1
501-587	B1518	Platinum/Silica	15g	605-818	E2467	Pedestal Adapter	1
501-598	B1514	Nibbled Nickel Flux	100g	606-121	E2230	Sample Drop Plate Stainless Steel FP328/428	1
501-608	B1522	Quartz Wool Wadding	200g	610-735	E2738	Brush	1
501-621	B1107	Copper Turnings Fine Long Strands	200g	617-083	E1346	O Ring	1
501-640	B1511	Copper Chip Accelerator	9kg	617-136	E1345	O Ring	1
501-674	B2513	Pin Standard (Normal Weight 1g Per Pin)	454g	617-171	C4334	Tube	1
501-675	B2514	Pin Standard 1g	454g	617-440	E1347	O Ring	1
501-677	B2515	Pin Standard 1g	454g	617-548	C4332	Reagent Tube	1
501-678	B2516	Pin Standard 1g	454g	617-716	C4333	Quartz Tube TCH600	1
501-679	B2517	Pin Standard 1g	454g	618-482	E2788	Electrode Insert	1
501-964	B2312	Coal Standard Sulphur Range 6%	50g	760-034	C4600	Graphite Crucible	100
502-023	C4027	Filling Funnel Borosilicate Glass	1	760-138	E2468	Tweezer	1
502-040	D4007	Smooth Wall Tin Capsules Round Base 18 x 6mm	100	760-139	E2469	Crucible Tweezer	1
502-040-100	D4015	Smooth Wall Tin Capsules Round Base 18 x 6mm	1000	760-193	E2247	Screen Mesh SC32/132/232	1
502-173	B1502	EMACEL II HP- Tungsten/Tin HP	750g	760-224	E1127	O Ring Lance Tube	1
502-174	B1162	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500g	760-226	E1305	O Ring	1
502-176	B1164	EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh	500g	760-317	C4308	Reagent Tube	1
502-177	B1102	Quartz (Silica) Wool Fine	50g	760-333	C4309	Reagent Tube	1
502-183	D3506	Nickel Capsules 12 x 6mm	100	760-335	E1306	O Ring	1
502-189	B1015M	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	760-359	E1307	O Ring	1
502-190	B1125	Copper Oxide Fine Wires 4 x 0.5mm	100g	760-414	C4601	Graphite Crucible	100
502-202	B2301	Coal Standard Sulphur Range 0.5%	50g	760-841	E1121	O Ring Combustion System	1
502-227	D1000	Tin Capsules Pressed, Standard Weight 4 x 3.2mm	500	761-047	C4310	Reagent Tube	1
502-231	B1510	Iron Chip High Purity	454g	761-190	C4311	Reagent Tube	1
502-283	E2105	Absorbent Discs 3.5mm	100	761-739	D9150	Tin Flux Pellets 0.5g Per Pellet 8mm Diameter	454g
502-297	B1504	EMACEL II - Tungsten/Tin Standard Grade	13.6kg	761-747	B1519	Schutze Reagent	100g
502-304-500	B1083M	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454g	761-929	E2471	Crucible Tong	1
502-374	E2776	Filter Particulate Pack of 50	1	762-056	C4312	Combustion Tube	1
503-032	C4060	Glass Scoop	1	762-058	E1308	O Ring	1
519-004	C4301	Combustion Tube (Sulphur In Oil)	1	762-357	E1310	O Ring	1



Leco® Part*	Cat. no.	Product	Pack	Leco® Part*	Cat. no.	Product	Pack
762-695	B1508	Tin Metal Accelerator	11.35kg	775-431	C4609	Inner Graphite Crucible For Use With C4610 (775-433)	100
762-697	E2485	Throat Brush Large	1	775-433	C4610	Outer Graphite Crucible For Use With C4609 & C4611	50
763-026	B1501	EMACEL - Tungsten	13.6kg	775-601	C4004	Reagent Tube Borosilicate Glass	1
763-027	B1506	EMACEL III - Tungsten	13.6kg	775-677	E1343	O Ring	1
763-029	D9153	Nickel Basket 1.5g Each	100	775-880	C4005	Reagent/Filter Tube Borosilicate Glass	1
763-065	D9154	Nickel Basket 1g Each	100	775-892	C4611	Inner Graphite Crucible For Use With C4610 (775-433)	100
763-213	C4602	Graphite Crucible	100	776-020	E2496	Up / Down Solenoid	1
763-263	B1500	EMACEL III Tungsten	2.5kg	776-095	E2710	Dust Eject Tube 19"	1
763-265	B1267	Glass Wool Borosilicate Fibres	227g	776-129	E2765	Induction Coil	1
763-266	B1505	EMACEL - Tungsten	2.5kg	776-234	E2489	Filter Dust Box	1
763-467	B1509	Iron Chip Standard Grade	11.35kg	776-247	C4612	Graphite Crucible	100
764-078	E2747	1 Gram Weight	1	776-279	C4006	Catalyst Heater Tube Transparent Silica	1
764-098	B1520	Cellulose	454g	776-922	E2725	Shield & Collar	1
764-242	D9149	Tin Flux Pellets 0.5g Per Pellet 5mm Diameter	454	778-114	E1131	O Ring Catalyst Heater Tube	1
764-330	C4603	Graphite Crucible	100	778-596	E2752	Filter Metal For Autoclean Head	1
764-490	C4402	Pedestal 2.75"	1	778-674	C4613	Graphite Crucible	100
765-717	C4328	Oxygen Lance WR12	1	780-047	C4322	Reation Tube RH101 & DH102	1
765-933	E2789	Lubricool Cooling Agent	1	780-927	E2155	Printer Paper Roll 4.5 x 3 x 0.375" 115 x 78 x 10mm	1
765-976	E1133	O Ring Filter Tube	1	780-928	E2156	Printer Ribbon	1
766-053	E2472	Crucible Tweezers	1	780-953	E2757	Pedestal CS-125	1
766-646	E2790	Air Filter Coating	1	781-371	E2704	Fan Patriot 240v	1
767-277	C4604	Graphite Crucible Pack of 100	100	781-424	E1314	O Ring	1
767-473	C4325	Funnel	1	781-585	E2371	Thermocouple Type S	1
767-757	B2306	Coal Standard Sulphur Range 2%	50g	782-428	C4323	Quartz Catalyst Tube	1
767-758	B2307	Coal Standard Sulphur Range 2.5%	50g	782-720	C4619	High Temp Graphite Crucible	100
768-704	C4507	Quartz Crucible	1	782-721	E2481	Lower Electrode Tip For C4618 & C4619	1
768-980	E2151	Particle Filter	1	782-877	E2486	Trim Step Brush	1
769-520	C4605	Short Graphite Crucible	100	782-880	E2750	Vacuum Filter CS-444, IR-432 & IR-412	1
769-569	C4606	Graphite Crucible Cover For Use With C4605 (769-520)	100	782-918	E2479	Cleaning Brush Assembly (782-877 Brush Only)	1
769-608	B1526	Halogen Trap Material	200g	782-938	E2755	Brush	1
769-610	B1527	F/Cl Trap Material	225g	782-942	E2480	Cleaning Brush Assembly (782-938 Brush Only)	1
769-761	C4607	Tall Graphite Crucible	100	783-299	C4324	Combustion Tube	1
769-994	C4608	Graphite Crucible	10	783-568	E2482	Lower Electrode Tip For C4603 (764-330)	1
770-764	E2244	Paper Roll SC32/132/232	1	783-745	E2753	Pedestal Adapter	1
770-778	E2237	Printer Ribbon CHN600/SC32/132/232/CR12	1	789-115	E2727	Lance 4.25"	1
771-030	C4032	Bubble/Filter/Reagent Tube Borosilicate Glass	1	789-118	E2751	Lance 5.2"	1
771-354	E2497	Oscillator Tube	1	789-412	C4335	Catalyst Tube	1
771-373	C4315	Reagent Tube	1				
771-401	C4316	Reaction Tube RH2	1				
771-407	E1311	O Ring	1				
771-445	E1312	O Ring	1				
771-606	E2758	Quartz Pedestal	1				
771-991	E1122	O Ring Precooler Assembly	1				
772-269	E1109	O Ring Doser Valve Assembly	10				
772-381	E2728	Lance Cleaning Rod	1				
772-520	E1110	O Ring Furnace Filter/Filter Tube	1				
772-738	E1111	O Ring Catalyst Heater Assembly	1				
772-739	C4318	Catalyst Heater Tube	1				
772-795	E2744	Oven Fan Assembly Small	1				
772-905	C4054	Combustion tube	1				
772-910	E1100	O Ring Sample Drop Block	1				
773-106	C4319	Antimony Trap Tube	1				
773-311	E2488	Filter Metal for Manual Cleaning Head	1				
773-314	E2741	Brush	1				
773-320	E1113	O Ring Reagent Tube	1				
773-561	E2739	Brush	1				
773-579	E2473	Stainless Steel Scoop Assembly	1				
773-661	E2182	Tube Fitting Brass 10/32 to 1/16" ID tube	1				
773-913	E1114	O Ring Sample Drop Block	1				
774-253	E1341	O Ring	1				
774-425	E1342	O Ring	1				
774-489	E1123	O Ring Combustion System	1				
774-613	E1130	O Ring Sample Drop Block Piston	1				
774-649	E2474	Cleaning Brush Assembly (774-652 Brush Only)	1				
774-652	E2487	Brush Head	1				
774-691	E2483	Lower Electrode Tip	1				
775-306	E2235	Secondary (screen) Filter	1				
775-312	E1313	O Ring	1				
775-355	C4320	Catalyst Heater Tube	1				
775-416	E2475	Small Cleaning Brush Assembly (188-012 Brush Only)	1				

\*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.

# Horiba - Elemental Microanalysis Cross-Reference

Horiba Part†	Cat. no.	Product	Pack
902.500.010.001	E1432	O Ring	10
902.900.070.001	E1434	O Ring	10
905.110.140.001	B1505	EMACEL - Tungsten	2.5kg
905.110.300.001	B1195	Iron Chip Accelerator	908g
905.120.100.001	E1435	O Ring	10
905.120.240.001	B1123	Rare Earth Copper Oxide Granular 0.85 to 1.7mm	50g
905.120.320.001	E2905	Wire Brush Bs Wire Flat Type Brush for Dust Removal	1
905.130.200.001	C4509	Crucible Cover With 4mm Hole For Use With C4500 & C4501	1000
905.130.350.001	E1433	O Ring	5
905.200.010.001	C4630	Graphite Crucibles Horiba EMGA620	200
905.200.080.001	E2158	Silicone Grease	100g
905.200.320.001	E2900	Spoon for Weighing Tungsten	1
905.200.380.001	C4500	Ceramic Crucible	1000
905.200.430.001	E1403	O Ring	10
905.200.550.001	B1161	EMADrone Magnesium Perchlorate	454g
905.200.560.001	C4701	Combustion Tube Transp Quartz 35mm dia. X 148 Length HF Furnace	1
905.200.640.001	E1405	O Ring	10
905.200.650.001	E1436	O Ring	5
905.200.920.001	E2921	Net Filter 100mesh SUS dia 7 for Reagent tube	10
905.200.970.001	B1162	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500g
905.201.210.001	E2904	Brush 34mm dia. Cylindrical Brush for Dust Removal	2
905.201.240.001	E1406	O Ring	2
905.201.250.001	B1507	Tin Metal Accelerator	908g
905.201.280.001	E1401	O Ring	10
905.201.300.001	E2920	Work Coil for Heating Sample HF Furnace for Induction Heating	1
905.201.320.001	E2919	Oscillator Tube 6T58RA Furnace Oscillator Tube	1
905.201.400.001	E1430	O Ring Lower Electrode	10
905.201.410.001	E1431	O Ring	10
905.201.450.001	C4700	Reagent Tube Pyrex 20mm dia. X 150	1
905.201.460.001	E1437	O Ring	5
905.201.470.001	E1438	O Ring	5
905.201.660.001	B1102	Quartz (Silica) Wool Fine	50g
905.201.810.001	E2913	Brush for Automatic Cleaner	2
905.201.830.001	E2901	Cylindrical Filter Stainless Steel 2u HF Furnace Dust Filter	1
905.201.850.001	E2907	Silicone Tube for Dust Valve	5
905.201.890.001	E2906	Silicone Tube 120mm for Dust Valve	5
905.201.910.001	E2909	Exhaust Tube Ultra Soft Flex for Dust Box	1
905.201.920.001	E2918	Mask Filter 89-018-02 White Filter for Dust Box	5
905.201.930.001	E2902	Cylindrical Filter Stainless Steel 2u HF Furnace Dust Filter	1
905.201.940.001	E2912	Lower Brush 0.3mm dia. For Automatic Cleaner	1
905.201.950.001	E2911	Upper Brush 0.2mm dia. For Automatic Cleaner (Optional for 320V)	1
905.202.030.001	E1408	O Ring	1
905.202.040.001	E2914	Lower Brush 0.2mm dia. For Automatic Cleaner (Optional for 320V & 220V)	1
905.202.050.001	E1409	O Ring	2
905.202.060.001	E1410	O Ring	1
905.202.070.001	E1411	O Ring	2
905.202.080.001	E1412	O Ring	2
905.202.090.001	E2915	Dust Catcher, Flame Retarded Fibre Black Coloured Filter for Dust Box	1
905.202.110.001	E2903	Cylindrical Filter Stainless Steel 2u HF Furnace Cylindrical Filter	1
905.202.120.001	E1414	O Ring	2
905.202.130.001	E2916	HEPA Filter (White) for Dust Box	1
905.202.140.001	E1413	O Ring	1
905.202.150.001	B1198	Copper Metal Accelerator	3lb
905.202.200.001	C4503	Ceramic Crucible Like C4500 (528-018)	500
F0020.031.900	E1404	O Ring	1
F0020.433.100	E1407	O Ring	1
F0020.945.500	E1402	O Ring	1
F0021.294.800	E1400	O-Ring	1
G881.62.53	E2908	Silicone Tube for Dust Valve	5
G881.62.54	E2917	Filter on Side for Ambient Air	1
H0370.434.001	E2910	Exhaust Tube Ultra Soft Flex for Dust Box	1

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

Eltra Part <sup>1</sup>	Cat. no.	Product	Pack
11105	E2452	Metal Dust Trap ELTRA CS500	1
11185	E2429	Paper Filters Pack of 10	1
13067	E2430	Combustion Coil	1
14045	E2431	Cleaning Brush for Combustion Tube	1
14072	E2432	Ceramic heat shield for brush	1
14130	C4055	Combustion tube for Eltra CS800	1
31345	E2422	Upper electrode insert	1
31360	E2421	Graphite Tip	1
31365	E2420	Graphite tip holder	1
70030	E1212	O Ring Set	1
70035	E1211	O Ring Set	1
70230	E1151	O-Ring 9x3	1
70280	E1153	O-Ring ELTRA ON900 CS800 CS500 18x2	1
70320	E1154	O-Ring	1
70330	E1155	O-Ring	1
70380	E1156	O-Ring	1
70410	E1157	O-Ring	1
71029	E2423	Cleaning brush for furnace	1
71030	E2433	Cleaning Brush for Metal Filter	1
75140	E2424	Safety Ring	1
80925	E2434	Set of Fuses	1
80927	E2428	Set of fuses	1
90150	C4500	Ceramic Crucible	1000
90155	C4136	Ceramic Boats Unglazed	500
90190	C4612	Graphite Crucible	100
90200	B1161	EMADrone Magnesium Perchlorate	454g
90210	B1162	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500g
90220	B1505	EMACEL - Tungsten	2.5kg
90234	B1526	Halogen Trap Material	200g
90240	B1198	Copper Metal Accelerator	3lb
90260	B1195	Iron Chip Accelerator	908g
90270	B1519	Schutze Reagent	100g
90280	B1507	Tin Metal Accelerator	908g
90290	B1123	Rare Earth Copper Oxide Granular 0.85 to 1.7mm	50g
90330	B1102	Quartz (Silica) Wool Fine	50g
90331	B1266	Glass Wool Borosilicate Fibres	454g
90340	B1520	Cellulose	454g
90800	B1516	Graphite Powder	100g
92610	E2158	Silicone Grease	100g

<sup>1</sup> **Eltra 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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