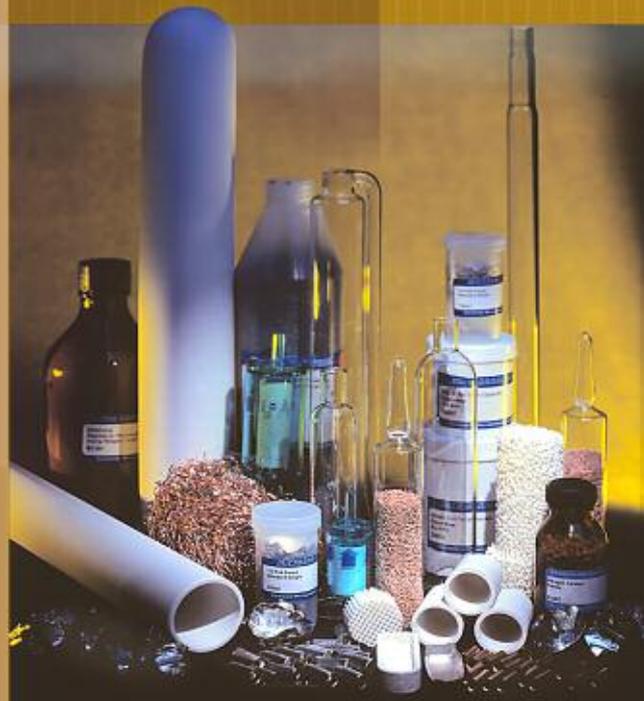




CATALOGUE



The definitive product guide for Nitrogen/Protein 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 Carbon/Sulphur
- Inorganic
- Organic Elemental (CHN/O/S)



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.

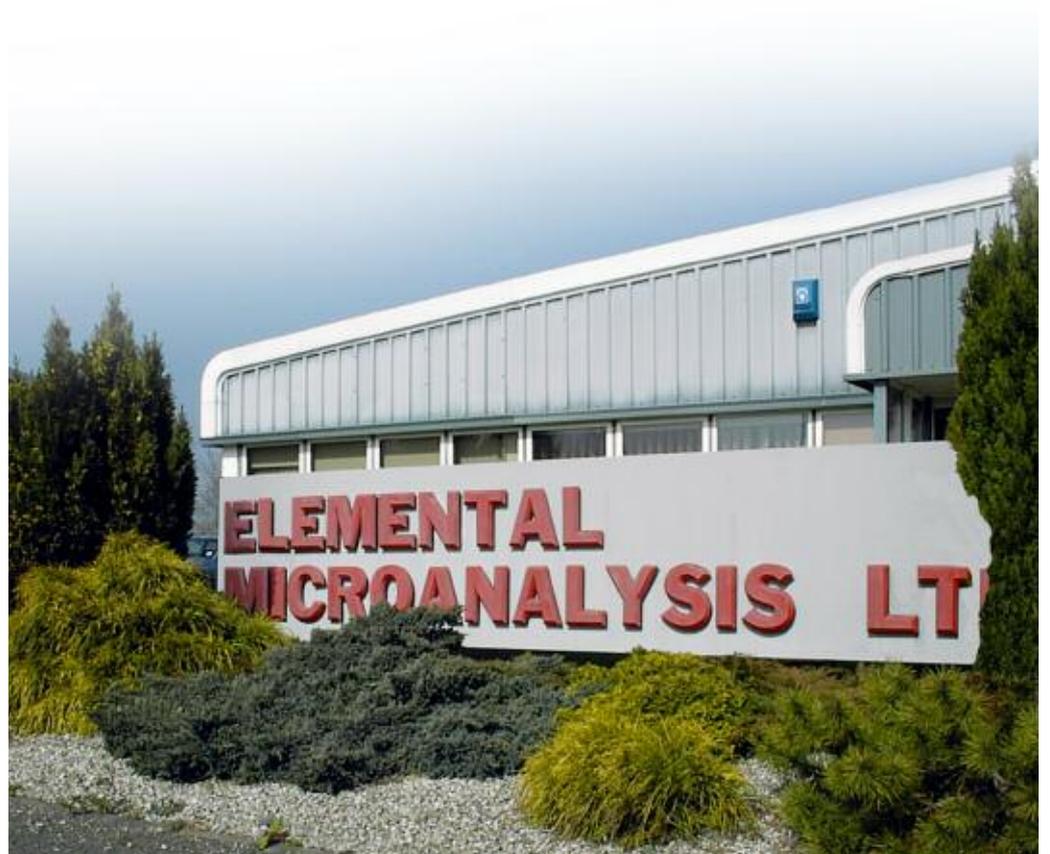
We take great care with the quality of our products. The vast majority are manufactured in-house by our trained technicians within our ISO 9001:2000 accredited quality system. But we don't just make the products - we use them every day in our own analytical laboratory giving

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.



Leco®

Cat No	Description	Pack	Leco® part*
B1163	Aluminium Oxide Pellets	200gm	502-188
B1186	Combustion Aid for Liquids	454gm	502-427
B1185	Combustion Aid for Solids	454gm	502-426
B1184	Combustion Catalyst	250gm	502-321
B1136	Copper Turnings Extra Fine Long Strands	100gm	
B1107	Copper Turnings Fine Long Strands	200gm	501-621
B1015M	Copper Wires Fine Wires Reduced 4 x 0.5mm	100gm	502-189
B1176	Copper Wires Fine Wires Reduced 4 x 0.5mm	500gm	
B1083M	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454gm	502-304-500
B1161	EMADrone Magnesium Perchlorate	454gm	501-171
B1162	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500gm	502-174
B1164	EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh	500gm	502-176
B1527	F/Cl Trap Material	225gm	769-610
B1191	Furnace Reagent	100gm	501-609
B1166	Glass Wool Borosilicate Fibres	454gm	501-081
B1167	Glass Wool Borosilicate Fibres	227gm	763-265
B1266	Glass Wool Rope, Borosilicate Fibres	454gm	501-081
B1267	Glass Wool Rope, Borosilicate Fibres	227gm	763-265
B1526	Halogen Trap Material	200gm	769-608
B1195	Iron Chip Accelerator	908gm	501-077
B1165	Iron Wool Grade #2	454gm	502-310
B1190	Magnesium Oxide Beads	200gm	502-359
B1061	Nitrogen Catalyst Pellets	50gm	502-049
B1139	Platinised Alumina 1% Pt, Granular 0.85 to 1.2mm	50gm	
X3000	Prepacked Reduction Tube Leco FP Transparent Silica	1	
B1102	Quartz (Silica) Wool Fine	50gm	502-177
B1192	Quartz Wool Strips	10	608-379
B1187	Vanadium Pentoxide Accelerator	250gm	501-636

(Products shown are not to scale)



Copper Capsules
D4100



Transparent Silica crucible C4048



Ceramic Boat Liners Nickel D5300



Transparent Silica Crucible C4046

Tin Foil Cones
D9001



Ceramic crucibles
C4039

Leco®

Cat No	Description	Pack	Leco® part*
E2368	CelCaps 18 x 7mm Low Nitrogen Organic Capsules	400	
D5300	Ceramic Boat Liner Nickel 50 x 15 x 8mm	100	502-343
C4036	Ceramic Boats Unglazed	100	529-203
C4039	Ceramic Crucibles	50	529-026
D4100	Copper Capsules Part Round Base 18 X 6mm	100	501-571
C4029	Crucible Translucent Silica	1	
C4046	Crucible Transparent Silica	50	UK-7753
C4048	Crucible Transparent Silica Vertical Slit	25	UK-7750
D8012	Evaporating Foil Cups Tin, Capacity 5ml 28 x 24mm diameter	48	UK-338
D9004	Gel Capsules, Small	400	502-338
C4065	Porous Crucible (Pack of 10)	1	614-961-110
C4067	Porous Crucible (Pack of 5)	1	
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
D4009	Smooth Wall Tin Capsules Round Base 20 x 8mm	100	502-167
D9001	Tin Foil Cones Standard Weight	100	502-186
D9010	Tin Foil Cones Standard Weight	1500	

(Products shown are not to scale)

Smooth Wall Tin Capsules D4009



Smooth Wall Tin Capsules D4003

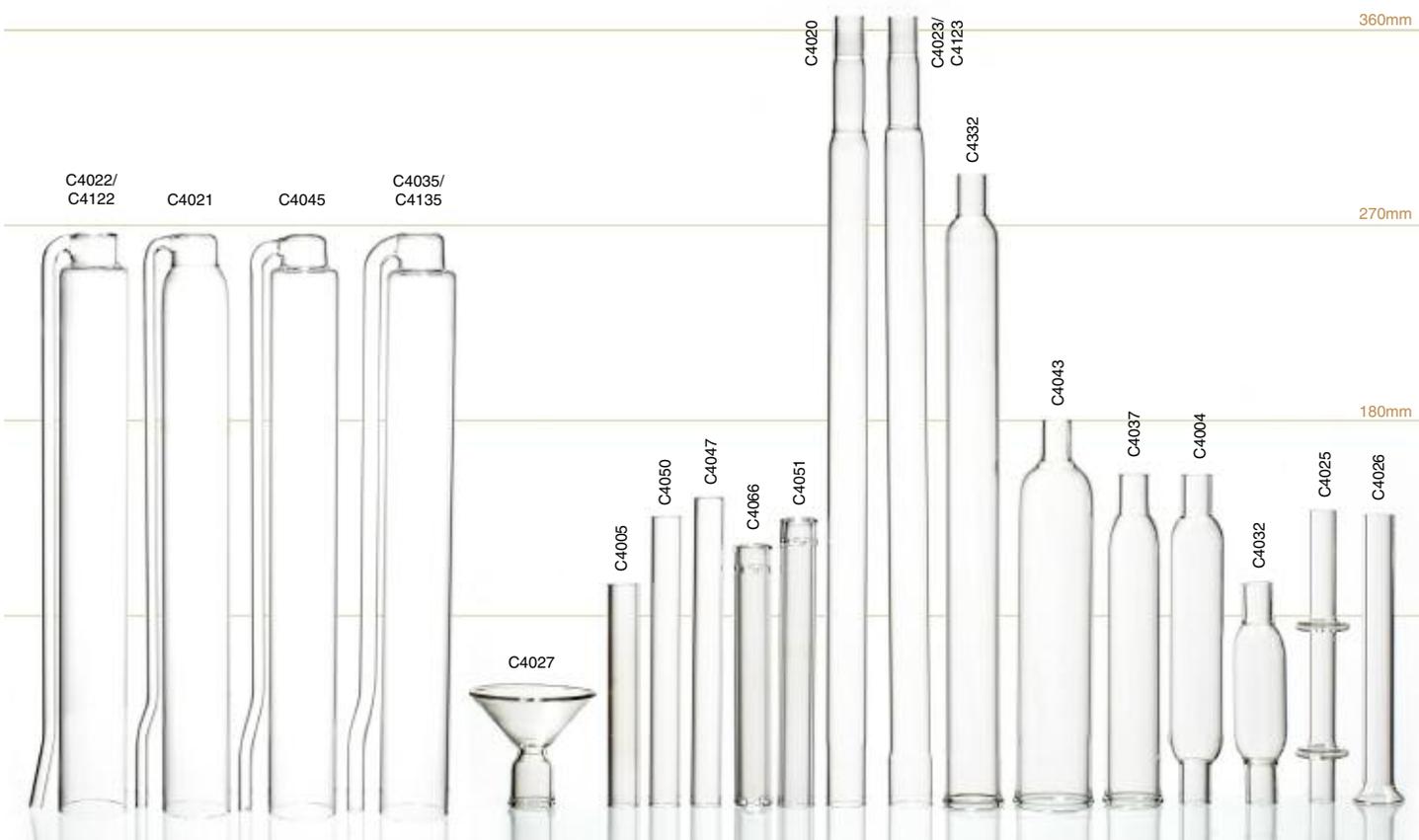
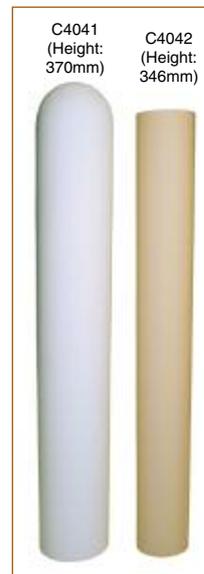
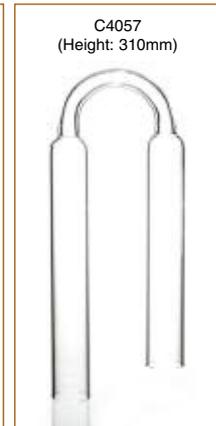
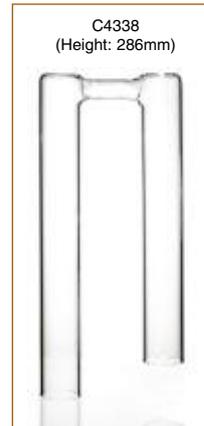


Smooth Wall Tin Capsules D4007



Leco®

Cat No	Description	Pack	Leco® part*
C4032	Bubble/Filter/Reagent Tube Borosilicate Glass	1	771-030
C4023	Catalyst Heater Tube Transparent Silica	1	601-437
C4123	Catalyst Heater Tube Transparent Silica	5	
C4040	Ceramic Stop	1	606-308
C4057	Combustion Tube FP-528	1	616-108
C4021	Combustion Tube Transparent Silica	1	601-506
C4022	Combustion Tube Transparent Silica	1	601-438
C4035	Combustion Tube Transparent Silica	1	609-116
C4045	Combustion Tube Transparent Silica	1	601-508
C4122	Combustion Tube Transparent Silica	5	
C4135	Combustion Tube Transparent Silica	5	
C4338	Combustion tube - Truspec	1	619-065
C4027	Filling Funnel Borosilicate Glass	1	502-023
C4037	Furnace Filter Tube Borosilicate Glass	1	601-390
C4060	Glass Scoop	1	503-032
C4058	Honeycomb Ceramic	1	780-899
C4042	Inner Combustion Tube Ceramic	1	606-313
C4056	Lance Tube Drilled	1	616-632
C4041	Outer Combustion Tube Ceramic	1	606-309
C4026	Oxygen Lance Flared Transparent Silica	1	601-441
C4051	Oxygen Lance Long	1	616-146
C4066	Oxygen Lance Short	1	614-962
C4050	Oxygen Lance Straight Transparent Silica	1	UK-1992
C4025	Oxygen Lance Transparent Silica	1	776-283
C4047	Oxygen Lance Transparent Silica	1	609-129
C4332	Reagent Tube	1	617-548
C4004	Reagent Tube Borosilicate Glass	1	775-601
C4043	Reagent Tube Borosilicate Glass	1	606-327
C4005	Reagent/Filter Tube Borosilicate Glass	1	775-880
C4020	Reduction Tube Transparent Silica	1	780-911
C4030	Support Honeycomb Ceramic 29mm diam x 20mm	1	601-482



Nitrogen/Protein analysis

Quartz, Glassware & Furnace Tubes - Leco®

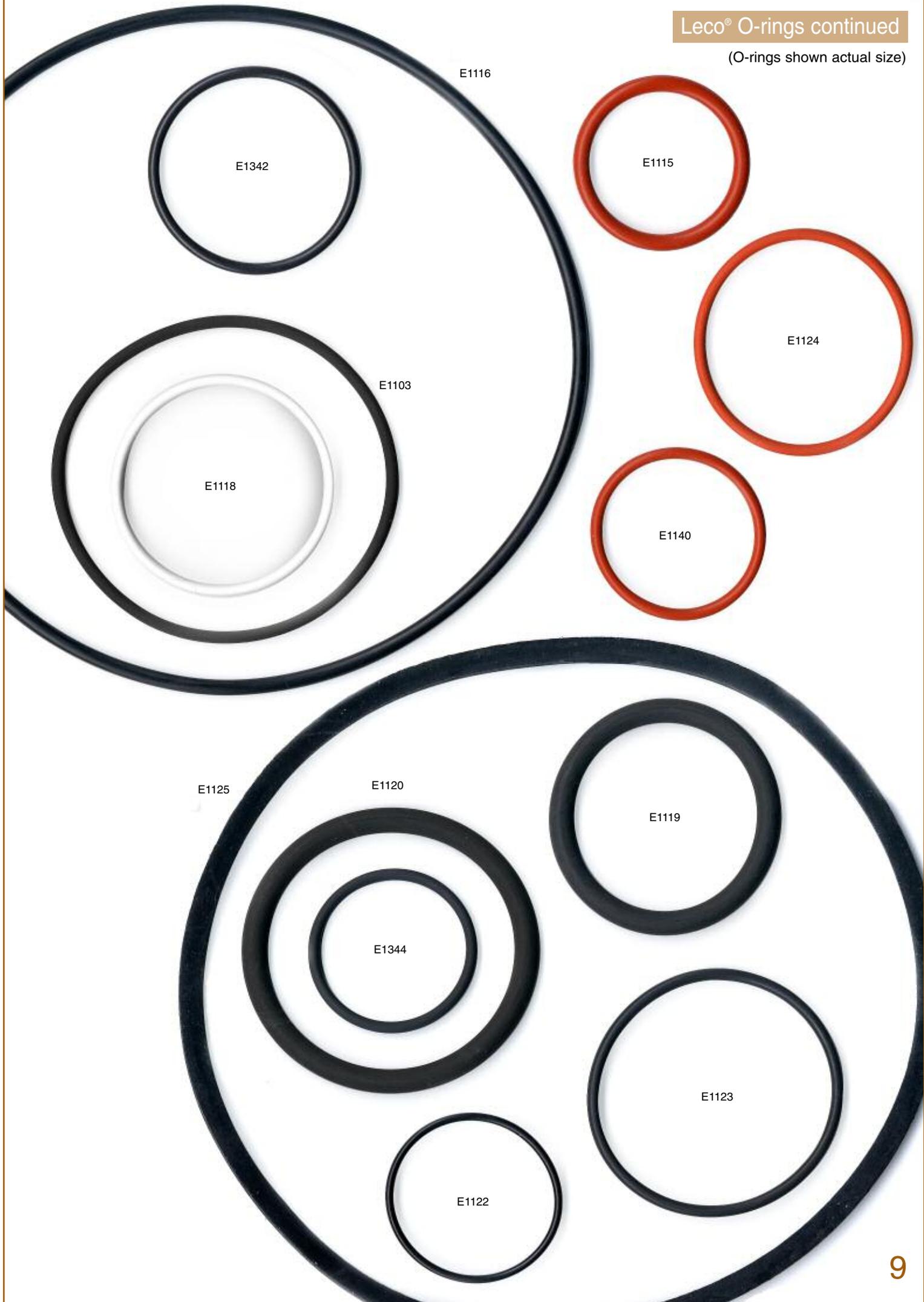
(O-rings shown actual size)



Leco®

Cat No	Description	Pack	Leco® part*
E1125	Neoprene Gasket Ballast Seal	1	778-120
E1102	O Ring	1	601-939
E1311	O Ring	1	771-407
E1342	O Ring	1	774-425
E1344	O Ring	1	601-684
E1345	O Ring	1	617-136
E1116	O Ring Ballast Tank	1	778-116
E1111	O Ring Catalyst Heater Assembly	1	772-738
E1101	O Ring Catalyst Heater Tube	1	601-442
E1131	O Ring Catalyst Heater Tube	1	778-114
E1117	O Ring Combustion System	1	606-333
E1118	O Ring Combustion System	1	611-431
E1121	O Ring Combustion System	1	760-841
E1123	O Ring Combustion System	1	774-489
E1124	O Ring Combustion System	1	775-314
E1108	O Ring Combustion Tube	1	609-114
E1115	O Ring Combustion Tube	1	776-284
E1105	O Ring Combustion/Catalyst/Filter Tube	1	605-828
E1107	O Ring Condensing Block	1	763-379
E1109	O Ring Doser Valve Assembly	10	772-269
E1133	O Ring Filter Tube	1	765-976
E1110	O Ring Furnace Filter/Filter Tube	1	772-520
E1119	O Ring Inner Combustion Tube	1	611-476
E1106	O Ring Lance Tube	1	761-492
E1104	O Ring Loader Head	1	604-488
E1120	O Ring Outer Combustion Tube	1	611-477
E1122	O Ring Precooler Assembly	1	771-991
E1113	O Ring Reagent Tube	1	773-320
E1100	O Ring Sample Drop Block	1	772-910
E1103	O Ring Sample Drop Block	1	601-504
E1112	O Ring Sample Drop Block	1	589-551
E1114	O Ring Sample Drop Block	1	773-913
E1140	O-Ring Combustion Tube FP528	1	616-138
E1139	O-Ring Lance Assembly FP528	2	780-831
E1134	Radial Seal	1	609-271
E1132	Seal Viton	1	589-305

(O-rings shown actual size)





Lance Assemblies

E2199

E2498



Particle Filters

E2157

E2151



Secondary (screen) Filter E2235

Cleaning brush E2154



Dosing Valve Stem E2166



Valve block E2196



Printer Ribbon Oki Data 320 E2153



Printer Ribbon E2156

Leco®

Cat No	Description	Pack	Leco® part*
E2736	Braided Cable	1	606-319
E2154	Cleaning Brush	1	601-981
E2202	Cooler Wafer FP	1	783-543
E2170	Cooling Fan 80x80x38mm 115VAC	1	772-992
E2165	Cooling Plate Stainless Steel	1	601-387
E2471	Crucible Tong	1	761-929
E2166	Dosing Valve Stem Stainless Steel	1	601-937
E2204	Heating Element Clamp	1	606-320
E2206	Heating Element kit, set of four elements	1	606-601
E5007	Hotplate Evaporator 110/120VAC	1	
E5006	Hotplate Evaporator 220/240VAC	1	
E2199	Lance Assembly Complete	1	616-147
E2498	Lance Assembly Complete	1	614-963
E2239	Lance Assembly Complete FP-228/328/428	1	609-128
E2179	Lance Head Body Brass	1	601-456
E2197	Lance Holder Block	1	783-275
E2198	Lance Holder Cover	1	783-276
E2180	Lance Retaining Plate Brass	1	601-455
E2464	O-Ring Installation Tube	1	603-350
E2151	Particle Filter	1	768-980
E2369	Particle Filter	1	616-504
E2157	Particle Filter with Drain	1	609-107
E2150	Pinch Valve Tubing	ft	601-691
E2183	Pneumatic Cylinder 1" Stroke 3/8" Bore	1	601-876
E2164	PolyFlow Tube 1/4" OD x 1/8" ID	ft	537-103
E2169	Polyu Tubing 1/8" OD x 1/16" ID	ft	773-662
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
E2153	Printer Ribbon Oki Data 320	1	601-484
E2168	Quick Coupling 1/16" Male Bulkhead	1	604-392
E2176	Quick Coupling 1/16" Female Bulkhead	1	604-393
E2177	Quick Coupling 1/16" Female Bulkhead	1	604-394
E2163	Screw Nylon 6-32 x 1" Slotted Countersunk Head	1	190-865
E2162	Screw S/Steel 6-32 x 0.44" Philips Pan Head	1	190-055
E2186	Screw Stainless 8-32x1.25" Cap Socket Head	1	190-749
E2185	Screw Zinc Plate 6-32x0.25" Philips Countersunk (Loading Head)	1	190-427
E2201	Screws For Lance Assembly FP-528	4	190-423
E2238	Seal Piston FP228, 328, 428, 528, CHN1000/CNS1000	1	601-883
E2235	Secondary (screen) Filter	1	775-306
E2158	Silicone Grease	100gm	501-241
E2039	Snoop Leak Detection Fluid	1	
E2167	Spring Dosing Valve Assembly	1	602-672
E2205	Thermocouple SC-432	1	606-224
E2182	Tube Fitting Brass 10/32 to 1/16" ID tube	1	773-661
E2181	Tube Fitting White Nylon 1/8" NPT to 3mm ID tube	1	602-605
E2160	Tubing Inserts S/Steel 1/4" x 3/16"	1	163-020
E2161	Tubing PTFE 1/4" OD x 3/16" ID	ft	172-505
E2196	Valve Block	1	601-936

*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.

ThermoFinnigan/CE/Fisons/Carlo Erba

Cat No	Description	Pack	OEM part ¹
B1018	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	25gm	33822000
B1100	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	200gm	
B1236	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100gm	
B1237	Carbosorb Granular 1.4 to 2.8mm CO2 Absorbant	100gm	
B3017	Chromosorb W 30-60 mesh Acid Washed	25gm	33837530
X1011	Consumables Kit 1000 Analyses NA2000 Nitrogen	1	19002406
B1013	Copper Granules Reduced 0.1 to 0.5mm	100gm	
B1091	Copper Wires 3x100gm Pack Fine Wires Reduced 4 x 0.5mm	300gm	
B1016	Copper Wires Coarse Wires Reduced 6 x 0.65mm	100gm	
B1046	Copper Wires Coarse Wires Reduced 6 x 0.65mm	50gm	
B1015	Copper Wires Fine Wires Reduced 4 x 0.5mm	100gm	33835300
B1199	Copper Wires Pound Pack Coarse Wires Reduced 6 x 0.65mm	454gm	
B1116	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh CO2 Absorbant	25gm	
B1056	Glass Wool Very Fine	50gm	
B1019	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	25gm	33821900
B1101	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	100gm	
B1140	Magnesium Perchlorate Self Indicating Granular 0.7 to 1.2mm	25gm	
B1047	Molecular Sieve 3A 1/16" pellets	100gm	
B1103	Oxidation Catalyst NA2000/NA2100 Copper Oxide/Platinised Alumina	40gm	33840000
X1150	Prepacked Oxidation High Performance Alloy Reactor	1	46802008
X1013	Prepacked Reactor Tube NA2000/2100 Translucent Silica	1	46800660
X1014	Prepacked Reduction Tube Translucent Silica	1	46800650
B1102	Quartz (Silica) Wool Fine	50gm	
B1008	Silica (Quartz) Chips Granular 0.85 to 1.7mm	50gm	33822300
B1017	Silica (Quartz) Wool Very Fine	5gm	33822200
B1208	Silica (Quartz) Wool Very Fine	10gm	
B1211	Soda Lime Granular 1.7 to 4mm CO2 Absorbant	100gm	33835235
B1092	Soda Lime Granular 1.7 to 4mm CO2 Absorbant	800gm	
B1189	Soda Lime Granular 1.7 to 4mm CO2 Absorbant	200gm	33835230

(Products shown are not to scale)



Copper Wires



Oxidation Catalyst B1103

Soda Lime Granular
B1189Magnesium
Perchlorate
B1101

Molecular Sieve B1047

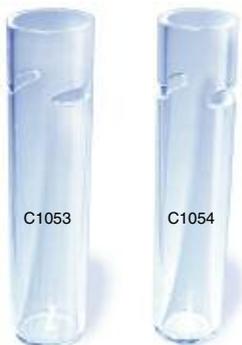
ThermoFinnigan/CE/Fisons/Carlo Erba

Cat No	Description	Pack	OEM part ¹
F5153	High Perform Inconel Reactor Crucible Flash EA1112	1	
D6005	Metal Swarf Crucible NA2100	1	25205000
C1053	Removable Swarf Crucible for C1022 & C1024 Transp Silica	5	
C1054	Removable Swarf Crucible for C1023 & C1025 Transp Silica	5	
D2006	Silver Capsules Pressed 6 x 4mm	500	
D2007	Silver Capsules Pressed 6 x 4mm	100	24005400
D4019	Smooth Wall Tin Capsules Flat Base 4.5 x 2mm	100	24008820
D4001	Smooth Wall Tin Capsules Flat Base 6 x 3mm	100	24008810
D4035	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	100	24007200
D6050	Stainless Steel Crucible Flash EA 1112	1	25205010
C1026	Swarf Crucible Transparent Silica for C1023 & C1025	5	
C1016	Swarf Crucible Transparent Silica for C1069, C1072 & C1078	5	
D1003	Tin Capsules Pressed, Standard Weight 5 x 3.5mm	100	24005300
D1002	Tin Capsules Pressed, Standard Weight 5 x 3.5mm	500	
D1008	Tin Capsules Pressed, Standard Weight 8 x 5mm	250	
D1009	Tin Capsules Pressed, Standard Weight 8 x 5mm	100	24006400
D1066	Tin Foil Discs Standard Weight 30mm diameter	100	24008015
D1059	Tin Foil Discs Standard Weight 34mm diameter	100	
D5055	Tin Weighing Pans Pressed, Standard Weight 10 x 10mm	100	25208000
D5216	Tin Weighing Pans Pressed, Ultra-Light Weight 10 x 10mm	100	



Tin Foil Discs sample

Swarf Crucibles



Swarf Crucibles



Inconel Reactor Crucible F5153



Stainless Steel Crucible D6050



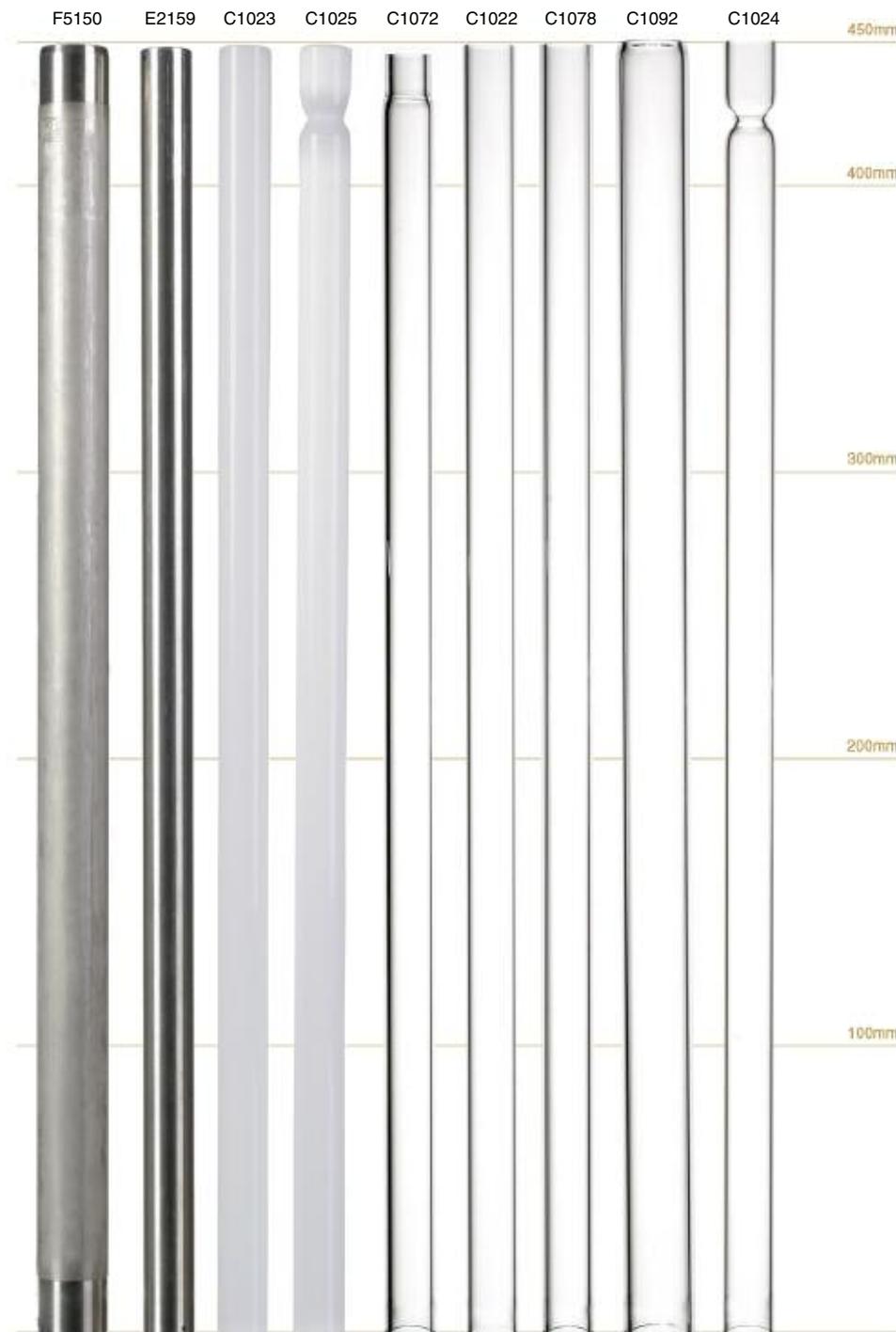
Metal Swarf Crucible D6005



Tin Weighing Pans D5055

ThermoFinnigan/CE/Fisons/Carlo Erba

Cat No	Description	Pack	OEM part ¹
F5150	High Performance Alloy Reactor Flash EA1112	1	
C1046	Liquid Injection Reaction Tube Translucent Silica	1	46820040
C1092	Quartz Reactor(version of HPAR46820075)	1	
C1072	Reaction Tube (Heavy Wall) Transparent Silica Quick 'n' Easy System	1	
C1078	Reaction Tube Heavy Wall Transparent Silica	1	
C1025	Reaction Tube Modified Translucent Silica EA1108/NA1500(2)/NA2000	1	
C1024	Reaction Tube Modified Transparent Silica EA1108/NA1500(2)/NA2000	1	
E2159	Reaction Tube Stainless Steel	1	46820050
C1023	Reaction Tube Translucent Silica	1	46820000
C1022	Reaction Tube Transparent Silica	1	46820020



ThermoFinnigan/CE/Fisons/Carlo Erba

Cat No	Description	Pack	OEM part ¹
E6051	Bottom O-Ring For Alloy Reactor Flash EA1112	5	2.90206e+007
E1059	O Ring Viton Rubber	2	29000082
E1041	Seal Viton Rubber Chamfered Square Profile	5	29032910
E6050	Top O-Ring For Alloy Reactor Flash EA1112	5	2.90207e+007

(O-rings shown actual size)



ThermoFinnigan/CE/Fisons/Carlo Erba

Cat No	Description	Pack	OEM part ¹
F5102	Forceps	1	
E3022	Nitrogen Column, Flash EA™ 1112, 0.5m	1	26007820
E2101	Retreiving Wire	1	
E3005	Separation Column Nitrogen	1	26070004
E2158	Silicone Grease	100gm	
F5115	Spatula	1	
E2040	Water/Carbon Dioxide Scrubber	1	28113060

Nitrogen Column,
Flash EA™ 1112
E3022



Separation
Column
Nitrogen
E3005



Water/Carbon Dioxide Scrubber
E2040



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



Copper Granules
B1084

Perkin Elmer

Cat No	Description	Pack	OEM part ³
B1236	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100gm	0240-0115
B1084	Copper Granules Pound Pack Reduced 0.1 to 0.5mm	454gm	0240-0117
B1122	Copper Oxide Wires Fine Wires 4 x 0.5mm	250gm	0240-1092
B1081	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	500gm	0240-1119
B1033	Nickel/Chromium Oxide Granular 0.85 to 1.7mm	25gm	
B1179	Chromium Oxide Granular 0.85 to 1.7mm	50gm	N241-0092
B1146	Nickel/Chromium Oxide Granular 0.85 to 1.7mm	100gm	N241-0166
B1147	Nickel/Chromium Oxide Granular 0.85 to 1.7mm	500gm	
B1208	Silica (Quartz) Wool Very Fine	10gm	
B1036	Silver Tungstate on Magnesium Oxide Granular 0.85 to 1.7mm	100gm	0240-1344
B1145	Silver Tungstate on Magnesium Oxide Granular 0.85 to 1.7mm	500gm	



Copper Oxide Wires
B1122



Chromium Oxide Granular
B1179

Capsules, Boats & Crucibles

Nitrogen/Protein analysis

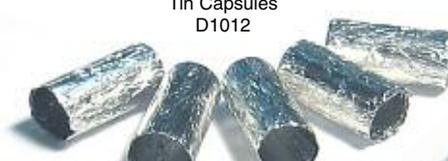
Perkin Elmer

Cat No	Description	Pack	OEM part ³
D1010	Tin Capsules Pressed, Standard Weight 12 x 5mm	200	
D1012	Tin Capsules Pressed, Standard Weight 12 x 6mm	200	
D1017	Tin Capsules Pressed, Standard Weight 14 x 6mm	200	
D1008	Tin Capsules Pressed, Standard Weight 8 x 5mm	250	N241-1362
D1066	Tin Foil Discs Standard Weight 30mm diameter	100	

Tin Capsules
D1010



Tin Capsules
D1012



Tin Capsules
D1017



Tin Capsules
D1008



Tin Foil Discs
D1066



Perkin Elmer

Cat No	Description	Pack	OEM part ³
C2026	Combustion Tube Nitrogen analysis of Fertilisers	1	N241-1487
C2027	Combustion Tube Nitrogen analysis - stainless steel	1	N242-1070
C2028	Combustion Tube Transparent Silica 2400 series	5	N241-0330
C2024	Combustion Tube Transparent Silica 2400/2410 Series	1	N241-1514
C2021	Scrubber Tube Transparent Silica 2400 Series	1	N241-1359



O-Rings & Seals

Nitrogen/Protein analysis

Perkin Elmer

Cat No	Description	Pack	OEM part ³
E1009	O Ring Silicone Rubber	10	0990-2188
E1013	O Ring Viton Rubber	10	0240-1583

(O-rings shown actual size)



E1009



E1013

Other Operating Supplies

Nitrogen/Protein analysis

Perkin Elmer

Cat No	Description	Pack	OEM part ³
E2011	Filter Discs Glass	12	0240-0137
E2101	Retrieving Wire	1	N241-1274
E2158	Silicone Grease	100gm	

Filter Discs Glass
E2011



Retrieving Wire
E2101

³Perkin Elmer Part: The use of Perkin Elmer part numbers is intended for convenience only, and does not imply that the products are of Perkin Elmer origin. All Elemental Microanalysis products are guaranteed to be of high quality and are deemed to be suitable alternatives.

Cat No	Description	Pack	%C	%H	%N	%S	%O
B2044	2,5-(Bis(5-tert-butyl-2-benzo-oxazol-2-yl) thiophene (BBOT) OAS	1gm	72.52	6.09	6.51	7.44	7.43
B2000	Acetanilide OAS	1gm	71.09	6.71	10.36	-	11.84
B2114	Acetanilide OAS	5gm	71.09	6.71	10.36	-	11.84
B2273	Alfalfa OAS	30g	45.77	5.42	3.37	0.20	-
B2138	Aspartic Acid OAS	100gm	-	-	10.52	-	-
B2139	Aspartic Acid OAS	10gm	-	-	10.52	-	-
B2002	Atropine OAS	1gm	70.56	8.01	4.84	-	16.59
B2006	Atropine OAS	10gm	70.56	8.01	4.84	-	16.59
B2277	Barley OAS	30g	46.68	5.57	1.50	0.14	-
B2007	Benzylthiuronium Chloride	1gm	47.40	5.47	13.82	15.82	-
B2272	Corn Gluten OAS	30g	50.29	6.33	10.95	0.96	-
B2270	Corn Meal OAS	30g	45.35	5.44	1.91	0.15	-
B2005	Cyclohexanone-2,4-dinitrophenylhydrazone OAS	1gm	51.79	5.07	20.14	-	23.00
B2035	Cystine OAS	1gm	29.99	5.03	11.66	26.69	26.63
B2105	Cystine OAS	5gm	29.99	5.03	11.66	26.69	26.63
B2144	Ethylenediaminetetra-acetic Acid (EDTA) OAS	500gm	41.09	5.52	9.59	-	-
B2120	Ethylenediaminetetra-acetic Acid (EDTA) OAS	25gm	41.09	5.52	9.59	-	43.79
B2137	Ethylenediaminetetra-acetic Acid (EDTA) OAS	100gm	41.09	5.52	9.59	-	-
B2115	Ethylenediaminetetra-acetic Acid (EDTA) OAS	50gm	41.09	5.52	9.59	-	-
B2040	Imidazol OAS	1gm	52.93	5.92	41.15	-	-
B2041	Isatin OAS	1gm	65.30	3.43	9.52	-	21.75
B2100	Methionine OAS	25gm	40.25	7.43	9.39	21.49	21.44
B2276	Oatmeal OAS	30g	47.76	5.72	2.09	0.16	-
B2141	Orchard Leaves Standard OAS	20g	44-52.00	5.7-6.5	2.0-2.8	-	-
B2140	Pasta Reference Material OAS	10gm	-	-	1.92	-	-
B2154	Protein (Casein) OAS	30gm	47.02	-	13.63	0.86	-
B2278	Rice Flour OAS	30g	44.70	5.88	1.36	0.12	-
B2275	Rye Flour OAS	30g	44.25	5.78	1.86	0.17	-
B2150	Sediment (high organic) OAS	30gm	6.72	-	0.50	0.92	-
B2152	Soil (low organic) OAS	30gm	1.65	-	0.14	0.031	-
B2158	Sorghum Flour OAS	30gm	41.58	-	1.46	0.105	-
B2271	Soy Bean OAS	30g	45.18	5.69	7.98	0.37	-
B2121	Sucrose OAS	25gm	42.10	6.48	-	-	51.41
B2036	Sulphanilamide OAS	1gm	41.85	4.68	16.26	18.62	18.58
B2142	Tryptophan OAS	100gm	-	-	13.72	-	-
B2130	Urea OAS	10gm	20.00	6.71	46.64	-	26.64
B2274	Wheat Flour OAS	30g	43.17	5.76	2.74	0.17	-
B2156	Wheat Flour OAS	30g	39.53	-	1.47	0.098	-

Organic and inorganic analytical standards from Elemental Microanalysis Limited are traceable to the National Institute of Standards and Technology (NIST), Maryland, USA, or (where appropriate) other accredited certification organisations. These purified organic compounds are suitable for use as certified working standards in elemental analysis and are supplied with batch Certificates of Analysis. They can be used with complete confidence for micro, semi-micro and macro scale analyses. Actual values are stated on the accompanying certificates.

Leco® - Elemental Microanalysis

Leco® Part*	Product	Pack	Cat. no.
163-020	Tubing Inserts S/Steel 1/4" x 3/16"	1	E2160
172-505	Tubing PTFE 1/4" OD x 3/16" ID	ft	E2161
190-055	Screw S/Steel 6-32 x 0.44" Phillips Pan Head	1	E2162
190-423	Screws For Lance Assembly FP-528	4	E2201
190-427	Screw Zinc Plate 6-32x0.25" Phillips Countersunk (Loading Head)	1	E2185
190-749	Screw Stainless 8-32x1.25" Cap Socket Head	1	E2186
190-865	Screw Nylon 6-32 x 1" Slotted Countersunk Head	1	E2163
190-927	Screw S/S 4-40 x 0.38" Phillips Pan Head	1	E2184
501-046	Sucrose OAS	25gm	B2121
501-059	Smooth Wall Tin Capsules Round Base 18 x 5mm	100	D4003
501-077	Iron Chip Accelerator	908gm	B1195
501-081	Glass Wool Borosilicate Fibres	454gm	B1166
501-171	EMADrone Magnesium Perchlorate	454gm	B1161
501-241	Silicone Grease	100gm	E2158
501-561	Soy Bean Meal OAS	30g	B2271
501-563	Corn Meal OAS	30g	B2270
501-571	Copper Capsules Part Round Base 18 X 6mm	100	D4100
501-609	Furnace Reagent	100gm	B1191
501-621	Copper Turnings Fine Long Strands	200gm	B1107
501-636	Vanadium Pentoxide Accelerator	250gm	B1187
502-023	Filling Funnel Borosilicate Glass	1	C4027
502-040	Smooth Wall Tin Capsules Round Base 18 x 6mm	100	D4007
502-040-100	Smooth Wall Tin Capsules Round Base 18 x 6mm	1000	D4015
502-049	Nitrogen Catalyst Pellets	50gm	B1061
502-055	Orchard Leaves Standard	20g	B2141
502-092	Ethylenediaminetetra-acetic Acid (EDTA) OAS	50gm	B2115
502-167	Smooth Wall Tin Capsules Round Base 20 x 8mm	100	D4009
502-174	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500gm	B1162
502-176	EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh	500gm	B1164
502-177	Quartz (Silica) Wool Fine	50gm	B1102
502-186	Tin Foil Cones Standard Weight	100	D9001
502-188	Aluminium Oxide Pellets	200gm	B1163
502-189	Copper Wires Fine Wires Reduced 4 x 0.5mm	100gm	B1015M
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
502-304-500	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454gm	B1083M
502-310	Iron Wool Grade #2	454gm	B1165
502-321	Combustion Catalyst	250gm	B1184
502-338	Gel Capsules, Small	400	D9004
502-343	Ceramic Boat Liner Nickel 50 x 15 x 8mm	100	D5300
502-359	Magnesium Oxide Beads	200gm	B1190
502-426	Combustion Aid for Solids	454gm	B1185
502-427	Combustion Aid for Liquids	454gm	B1186
503-032	Glass Scoop	1	C4060
529-026	Ceramic Crucibles	50	C4039
529-203	Ceramic Boats Unglazed	100	C4036
537-103	PolyFlow Tube 1/4" OD x 1/8" ID	ft	E2164
589-305	Seal Viton	1	E1132
589-551	O Ring Sample Drop Block	1	E1112
601-387	Cooling Plate Stainless Steel	1	E2165
601-390	Furnace Filter Tube Borosilicate Glass	1	C4037
601-437	Catalyst Heater Tube Transparent Silica	1	C4023
601-438	Combustion Tube Transparent Silica	1	C4022
601-441	Oxygen Lance Flared Transparent Silica	1	C4026
601-442	O Ring Catalyst Heater Tube	1	E1101
601-455	Lance Retaining Plate Brass	1	E2180
601-456	Lance Head Body Brass	1	E2179
601-482	Support Honeycomb Alumina Ceramic 29mm diam x 20mm 601-482	1	C4030
601-483	Printer Paper American Letter 8.5 x 11" x 600 sheets	1	E2152
601-484	Printer Ribbon Oki Data 320	1	E2153

Leco® Part*	Product	Pack	Cat. no.
601-504	O Ring Sample Drop Block	1	E1103
601-506	Combustion Tube Transparent Silica	1	C4021
601-508	Combustion Tube Transparent Silica	1	C4045
601-684	O Ring	1	E1344
601-691	Pinch Valve Tubing	ft	E2150
601-876	Pneumatic Cylinder 1" Stroke 3/8" Bore	1	E2183
601-883	Seal Piston FP228, 328, 428, 528, CHN1000/CNS1000	1	E2238
601-936	Valve Block	1	E2196
601-937	Dosing Valve Stem Stainless Steel	1	E2166
601-939	O Ring	1	E1102
601-981	Cleaning Brush	1	E2154
602-605	Tube Fitting White Nylon 1/8" NPT to 3mm ID tube	1	E2181
602-672	Spring Dosing Valve Assembly	1	E2167
603-350	O-Ring Installation Tube	1	E2464
604-392	Quick Coupling 1/16" Male Bulkhead	1	E2168
604-393	Quick Coupling 1/16" Female Bulkhead	1	E2176
604-394	Quick Coupling 1/16" Female Bulkhead	1	E2177
604-488	O Ring Loader Head	1	E1104
605-828	O Ring Combustion/Catalyst/Filter Tube	1	E1105
606-224	Thermocouple SC-432	1	E2205
606-308	Ceramic Stop	1	C4040
606-309	Outer Combustion Tube Ceramic	1	C4041
606-313	Inner Combustion Tube Ceramic	1	C4042
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
606-601	Heating Element kit, set of four elements	1	E2206
608-379	Quartz Wool Strips	10	B1192
609-107	Particle Filter with Drain	1	E2157
609-114	O Ring Combustion Tube	1	E1108
609-116	Combustion Tube Transparent Silica	1	C4035
609-128	Lance Assembly Complete FP-228/328/428	1	E2239
609-129	Oxygen Lance Transparent Silica	1	C4047
609-271	Radial Seal	1	E1134
611-431	O Ring Combustion System	1	E1118
611-476	O Ring Inner Combustion Tube	1	E1119
611-477	O Ring Outer Combustion Tube	1	E1120
614-961-110	Porous Crucible (Pack of 10)	1	C4065
614-962	Oxygen Lance Short	1	C4066
616-108	Combustion Tube FP-528	1	C4057
616-138	O-Ring Combustion Tube FP528	1	E1140
616-146	Oxygen Lance Long	1	C4051
616-147	Lance Assembly Complete	1	E2199
616-504	Particle Filter	1	E2369
616-632	Lance Tube Drilled	1	C4056
617-136	O Ring	1	E1345
617-548	Reagent Tube	1	C4332
760-841	O Ring Combustion System	1	E1121
761-492	O Ring Lance Tube	1	E1106
761-929	Crucible Tong	1	E2471
763-265	Glass Wool Borosilicate Fibres	227gm	B1167
763-379	O Ring Condensing Block	1	E1107
765-976	O Ring Filter Tube	1	E1133
768-980	Particle Filter	1	E2151
769-608	Halogen Trap Material	200gm	B1526
769-610	F/CI Trap Material	225gm	B1527
771-030	Bubble/Filter/Reagent Tube Borosilicate Glass	1	C4032
771-407	O Ring	1	E1311
771-991	O Ring Precooler Assembly	1	E1122
772-269	O Ring Doser Valve Assembly	10	E1109
772-520	O Ring Furnace Filter/Filter Tube	1	E1110
772-738	O Ring Catalyst Heater Assembly	1	E1111
772-910	O Ring Sample Drop Block	1	E1100
772-992	Cooling Fan 80x80x38mm 115VAC	1	E2170
773-320	O Ring Reagent Tube	1	E1113
773-661	Tube Fitting Brass 10/32 to 1/16" ID tube	1	E2182
773-662	Polyu Tubing 1/8" OD x 1/16" ID	ft	E2169
773-913	O Ring Sample Drop Block	1	E1114
774-425	O Ring	1	E1342
774-489	O Ring Combustion System	1	E1123
775-306	Secondary (screen) Filter	1	E2235

Leco® - Elemental Microanalysis (cntd.)

Leco® Part*	Product	Pack	Cat. no.
775-314	O Ring Combustion System	1	E1124
775-601	Reagent Tube Borosilicate Glass	1	C4004
775-880	Reagent/Filter Tube Borosilicate Glass	1	C4005
776-283	Oxygen Lance Transparent Silica	1	C4025
776-284	O Ring Combustion Tube	1	E1115
778-114	O Ring Catalyst Heater Tube	1	E1131
778-116	O Ring Ballast Tank	1	E1116
778-120	Neoprene Gasket Ballast Seal	1	E1125
780-831	O-Ring Lance Assembly FP528	2	E1139
780-899	Honeycomb Ceramic	1	C4058
780-911	Reduction Tube Transparent Silica	1	C4020
780-927	Printer Paper Roll 4.5 x 3 x 0.375" 115 x 78 x 10mm	1	E2155
780-928	Printer Ribbon	1	E2156
783-275	Lance Holder Block	1	E2197
783-276	Lance Holder Cover	1	E2198
783-543	Cooler Wafer FP	1	E2202
UK-1992	Oxygen Lance Straight Transparent Silica	1	C4050
UK-338	Evaporating Foil Cups Tin, Capacity 5ml 28 x 24mm diameter	48	D8012
UK-7750	Crucible Transparent Silica Vertical Slit	25	C4048
UK-7753	Crucible Transparent Silica	50	C4046

*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.

ThermoFinnigan - Elemental Microanalysis

OEM Part ¹	Product	Pack	Cat. no.
19002410	Consumables Kit 1000 Analysis FlashEA1112 CHN	1	X1080
19002411	Consumables Kit 1000 Analysis FlashEA1112 CHNS/NCS/S Empty Tubes	1	X1081
19002412	Consumables Kit 1000 Analysis EA1112 CHNS/NCS/S Pre-Packed Tubes	1	X1082
19002416	Consumables Kit 1000 Analysis Flash EA1112 Oxygen	1	X1083
19001100	Consumables Kit 1000 Analyses 1106 Sulphur	1	X1002
19001201	Consumables Kit 1000 Analyses 1108/II CHN & Oxygen	1	X1004
19001202	Consumables Kit 1000 Analyses 1108/II CHNS & Oxygen	1	X1006
19001203	Consumables Kit 1000 Analyses 1108/II CHN	1	X1003
19001204	Consumables Kit 1000 Analyses 1108/II CHNS	1	X1005
19001300	Consumables Kit 1000 Analyses 1106 Oxygen	1	X1001
19001301	Consumables Kit 1000 Analyses 1108/II Oxygen	1	X1007
19002400	Consumables Kit 1000 Analyses 1500/II Nitrogen	1	X1008
19002401	Consumables Kit 1000 Analyses 1500/II NC	1	X1009
19002402	Consumables Kit 1000 Analyses 1500/II NCS	1	X1010
19002406	Consumables Kit 1000 Analyses NA2000 Nitrogen	1	X1011
19003200	Consumables Kit 1000 Analyses 1106 CHN	1	X1000
19004205	Prepacked Reactor Tube NA2000/2100 Stainless Steel	1	X1033
19004220	Flash EA1112 Consumables Package "A" for Solid Samples	1	X1050
19004225	Flash EA1112 Consumables Package "B" for Solid Samples	1	X1051
19004228	Flash EA1112 Consumables Package "A" for Liquid Samples	1	X1052
20503002	Sealing Device Liquid Samples	1	E5109
24010132	MAS200 Drum No. 2	1	F1350
24010133	MAS200 Drum No. 3	1	F1351
24010134	MAS200 Drum No. 4	1	F1352
25102650	Manual Loader CM2	1	F1600
28113106	Water/Carbon Dioxide Scrubber	1	E2047
29020649	Bottom O-Ring For Alloy Reactor Flash EA1112	5	E6051
29020640	Bottom O-Ring For Reactor Flash N/Prot	5	E6052
29020682	Top O-Ring For Alloy Reactor Flash EA1112	5	E6050
20901400	Thermocouple Amplifier Exchange Unit	1	E2133
20901500	Thermocouple Amplifier Exchange Unit	1	E2132
23903100	Program Timer 0-12 minutes	1	E2012
24000700	Chloropentane Doping Vessel Borosilicate Glass	1	C1042
24005300	Tin Capsules Pressed, Standard Weight 3.5 x 5	100	D1003

OEM Part ¹	Product	Pack	Cat. no.
24005400	Silver Capsules Pressed 6 x 4mm	100	D2007
24005405	Silver Capsules Pressed 8 x 5mm	100	D2009
24006400	Tin Capsules Pressed, Standard Weight 8 x 5mm	100	D1009
24007200	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	100	D4035
24008015	Tin Foil Discs Standard Weight 30mm diameter	100	D1066
24008810	Smooth Wall Tin Capsules Flat Base 6 x 3mm	100	D4001
24008820	Smooth Wall Tin Capsules Flat Base 4.5 x 2mm	100	D4019
24070005	Vials 2.5ml	100	E2300
24074020	Vials 10ml	100	E2310
24806400	Thermal Chart Paper Roll	1	E2067
25204400	Swarf Crucible Transparent Silica	5	C1005
25204500	Swarf Crucible Transparent Silica	5	C1004
25205000	Metal Swarf Crucible NA2100	1	D6005
25205010	Stainless Steel Crucible Flash EA 1112	1	D6050
25208000	Tin Weighing Pans Pressed, Standard Weight 10 x 10mm	100	D5055
25208020	Silver Weighing Pans Pressed 10 x 10mm	100	D5076
26007800	Separation Column Sulphur	1	E3002
26007820	Nitrogen Column Flash 1112 0.5m	1	E3022
26007900	Separation Column Oxygen	1	E3001
26008000	Separation Column CHN	1	E3006
26008200	Separation Column CHN	1	E3000
26008205	Separation Column NC	1	E3004
26008206	Separation Column CHNS, NCS	1	E3003
26008207	Separation Column NCS	1	E3020
26008208	Separation Column PTFE CHNS,CHN,NCS	1	E3013
26018500	Separation Column Trace Sulphur	1	E3007
26070004	Separation Column Nitrogen	1	E3005
28104400	Halogen Trap Borosilicate Glass	1	C1021
28113060	Water/Carbon Dioxide Scrubber	1	E2040
28113090	Scrubber Tube Carbon Dioxide Threaded, Borosilicate Glass	1	C1014
28113100	Scrubbing Tube Kit Water	1	E2350
29000082	O Ring Viton Rubber	2	E1059
29004045	Olive 2mm Stainless Steel	1	E2100
29005046	O Ring Nitrile Rubber	1	E1008
29013603	O Ring Schott Type Silicone/PTFE	10	E1021
29030042	Seal Viton Rubber Chamfered Square Profile	5	E1042
29030331	O Ring Viton Rubber	10	E1001
29030567	O Ring Viton Rubber	10	E1200
29032910	Seal Viton Rubber Chamfered Square Profile	5	E1041
29034045	Tubing Olive 2mm Aluminium	1	E2031
29050301	O Ring Nitrile Rubber	10	E1022
29050304	O Ring Nitrile Rubber	10	E1020
29050306	Seal Viton Rubber Chamfered Square Profile	5	E1043
29050567	O Ring Viton Rubber	10	E1000
31302100	Bi-pneumatic Valve Diaphragm Viton Rubber	1	E1011
31303200	Septum Liquid Injector	50	E2360
31303209	Septum Liquid Injector	50	E2361
33406200	Nickel Sheet 130 x 130mm x 0.13 mm For Tube Lining	1	B1024
33801801	Molecular Sieve 3A 1/16" pellets	25gm	B1021
33821710	Copper Oxide Fine Wires 4 x 0.5mm	50gm	B1002
33821900	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	25gm	B1019
33822000	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	25gm	B1018
33822100	Copper Sulphate Hydrated Granular For Gas Doping	250gm	B1114
33822200	Silica (Quartz) Wool Very Fine	5gm	B1017
33822300	Silica (Quartz) Chips Granular 0.85 to 1.7mm	50gm	B1008
33822400	Cyclohexanone-2,4-dinitrophenylhydrazone OAS	1gm	B2005
33822500	Benzoic Acid OAS	1gm	B2004
33822800	Cobaltous/ic Oxide Granular 0.85 to 1.7mm	25gm	B1001
33822900	Chromium Oxide Granular 0.85 to 1.7mm	25gm	B1004
33823400	Diphenyl OAS	1gm	B2039
33823800	Nickelised Carbon 30% Ni Granular 0.3 to 0.85mm	5gm	B1086
33824400	Atropine OAS	1gm	B2002
33824500	Cobaltous/ic Oxide Silvered Granular 0.85 to 1.7mm	25gm	B1000
33824600	Tungstic Oxide Granular 0.85 to 1.7mm	25gm	B1025
33824700	Nickel Oxide Granular 0.85 to 1.7mm	25gm	B1034
33825000	Nickel Wool Fine Wire	2gm	B1007
33825100	Sulphanilamide OAS	1gm	B2036
33825300	Isatin OAS	1gm	B2041
33835200	Benzylthiuronium Chloride OAS	1gm	B2007

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OEM Part ¹	Product	Pack	Cat. no.
33835210	2,5-(Bis(5-tert-butyl-2-benzo-oxazol-2-yl) thiophene (BBOT) OAS	1gm	B2044
33835220	Methionine OAS	25gm	B2100
33835230	Soda Lime Granular 1.7 to 4mm CO2 Absorbant	200gm	B1189
33835235	Soda Lime Granular 1.0 to 2.5mm CO2 Absorbant	100gm	B1211
33835240	Lubricant Standard	1	B2145
33835300	Copper Wires Fine Wires Reduced 4 x 0.5mm	100gm	B1015
33835310	Copper Wires for S Analysis High Purity Reduced 4 x 0.5mm	40gm	B1035
33835420	Tungstic Oxide on Alumina Granular 0.85 to 1.7mm	25gm	B1031
33835430	Imidazol OAS	1gm	B2040
33836700	Acetanilide OAS	1gm	B2000
33837510	Vanadium Pentoxide Fine Powder Sample Additive	10gm	B4001
33837520	Phenanthrene Enriched OAS	1gm	B2113
33837530	Chromosorb W 30-60 mesh Acid Washed	25gm	B3017
33837540	Lead(II) Oxide (Red) Fine Powder Combustion Additive	1gm	B1039
33840000	Oxidation Catalyst NA2000/NA2100		
	Copper Oxide/Platinised Alumina	40gm	B1103
33840002	Urea OAS	10gm	B2130
33840019	Nicotinamide OAS	1gm	B2132
33840023	Aspartic Acid OAS	10gm	B2139
33840024	Pasta Reference Material	10gm	B2140
34715401	Column Fitting 6 to 2mm Stainless Steel	1	E2035
34736100	Connector Brass 2mm 4 Way	1	E2096
34739133	Tubing Coupling 2mm Stainless Steel	1	E2095
34744100	Tubing Connector 2mm to 2mm	1	E2094
35034108	Tube Connector Push Fit	1	E2034
35036103	Blanking Cap Brass	1	E2099
35040403	Tubing Nut 2 mm Stainless Steel	1	E2032
35041101	Knurled Retaining Nut Brass	1	E2097
35045100	Blanking Nut Brass	1	E2050
35045400	Blanking Nut Stainless Steel	1	E2036
35265000	Chart Paper Z Fold	2	E2068
35265100	Recorder Pen	1	E2069
36500204	Syringe 100ul Hamilton 80665/00	1	E2362
36500530	Syringe 500ul Hamilton 8081239/01	1	E2364
36502019	Syringe 10ul 80mm SGE S002124	1	E2365
38606035	Al Seal 20mm PTFE Faced Septum	50	E2311
38606040	Al Seal 11mm PTFE Faced Septum	100	E2301
39102500	Tubing Stainless Steel 2 x 1mm x 3 metres	1	E2033
39103800	Reduction Tube Stainless Steel	1	E2020
42010000	Blue Flexible Tubing Polyurethane 5x3mm	3m	E4404
40523005	Purging Valve Autosampler Slide Type	1	E2102
42001501	Tubing PTFE 2 x 1mm x 5 metres	1	E2030
42501400	Flow Controller 1106 Refurbished Exchange Unit	1	E2131
42506800	Pressure Regulator 1106 Refurbished Exchange Unit	1	E2130
46800650	Prepacked Reduction Tube Translucent Silica	1	X1014
46800660	Prepacked Reactor Tube NA2000/2100 Translucent Silica	1	X1013
46801000	Reduction 'U' Tube Transparent Silica	1	C1003
46801600	Reaction Tube Transparent Silica	1	C1002
46801700	Reaction Tube Translucent Silica	1	C1012
46802005	Prepacked Reactor Tube 1108/1500 series 2 Translucent Silica	1	X1012
46802006	Packed Reaction/Reduction Tube EA1108, EA1110 CHN Single Tube	1	X1034
46802007	Packed Combustion/Reduction tube CHNS/NCS/S	1	X1152
46802008	Prepacked Oxidation High Performance Alloy Reactor	1	X1150
46820000	Reaction Tube Translucent Silica	1	C1023
46820020	Reaction Tube Transparent Silica	1	C1022
46820030	Reaction Tube Translucent Silica	1	C1019
46820040	Liquid Injection Reaction Tube Translucent Silica	1	C1046
46820050	Reaction Tube Stainless Steel	1	E2159
46820070	Reaction Tube Transparent Silica Flash 1112/46820070	1	C1069

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

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OEM Part ³	Product	Pack	Cat. no.
0240-0090	Platinum Weighing Boat Light, With Handling Tab 9 x 4 x 2.5mm + tab	1	D5005
0240-0113	Silver Oxide/Silver Tungstate on Chromosorb P, Granular 30 to 60 Mesh	25gm	B1055
0240-0115	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100gm	B1236
0240-0117	Copper Granules Pound Pack Reduced 0.1 to 0.5mm	454gm	B1084
0240-0118	Tin Powder Fine Powder Sample Additive	10gm	B4002
0240-0119	Platinised Carbon 10% Pt Granular 0.2 to 0.85mm	5gm	B1005
0240-0132	Silver Oxide Fine Powder Sample Additive	1gm	B4006
0240-0133	8-Hydroxyquinoline OAS See Certificate For Values	1gm	B2020
0240-0137	Filter Discs Glass	12	E2011
0240-1092	Copper Oxide Wires Fine Wires 4 x 0.5mm	250gm	B1122
0240-1117	Silver Vanadate Reagent Granular 0.85 to 1.7 mm	10gm	B1009
0240-1118	Silica (Quartz) Wool Very Fine	5gm	B1017
0240-1119	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	500gm	B1081
0240-1120	Benzoic Acid OAS	5gm	B2047
0240-1121	Acetanilide OAS	1gm	B2000
0240-1217	Scrubber Tube Transparent Silica 240ABC/CEC240/440	4	C2004
0240-1225	Combustion Tube CHN Transparent Silica 240ABC	1	C2000
0240-1226	Reduction/Reactor Tube CHN/O Transparent Silica 240A	1	C2001
0240-1230	Cobaltous Oxide Fine Powder Sample Additive	10gm	B4005
0240-1238	Tungstic Oxide Fine Powder Sample Additive	10gm	B4000
0240-1289	Micro-Dessicator Aluminium Stainless Plate	1	E2007
0240-1293	O Ring Nitrile Rubber	2	E1015
0240-1321	Magnetic Ladle Transparent Silica 240ABC/CEC240/440	1	C2003
0240-1338	Benzylthiuronium Chloride OAS	1gm	B2007
0240-1343	Vanadium Pentoxide Fine Powder Sample Additive	10gm	B4001
0240-1344	Silver Tungstate on Magnesium Oxide Granular 0.85 to 1.7mm	100gm	B1036
0240-1347	Cyclohexanone-2,4-dinitrophenylhydrazone OAS	1gm	B2005
0240-1356	U Tube Oxygen Transparent Silica 240ABC/CEC240/440	1	C2008
0240-1359	Pyrolysis Tube Oxygen Transparent Silica 240A	1	C2005
0240-1362	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454gm	B1083
0240-1369	Combustion Tube Sulphur Transparent Silica 240ABC	1	C2006
0240-1370	Reduction Tube Sulphur Transparent Silica 240A	1	C2007
0240-1371	U Tube Sulphur Transparent Silica 240ABC	1	C2010
0240-1372	Scrubber Tube Sulphur Transparent Silica 240ABC	1	C2009
0240-1573	Reduction Tube CHN Transparent Silica 240BC/CEC240/440	1	C2002
0240-1581	O Ring Viton Rubber	10	E1007
0240-1582	O Ring Nitrile Rubber	10	E1006
0240-1583	O Ring Viton Rubber	10	E1013
0240-1673	Combustion Tube Autosampler Transparent Silica 240ABC	1	C2013
0240-1724	Ladle Autosampler Transparent Silica 240ABC	1	C2023
0240-1961	Reduction Tube Sulphur Transparent Silica 240ABC/CEC240/440	1	C2012
0240-1962	Pyrolysis Tube Oxygen Transparent Silica 240BC	1	C2017
0240-1963	Reactor Tube Oxygen Transparent Silica 240ABC/CEC240/440	1	C2011
0240-2133	O Ring Viton Rubber	1	E1019
0497-8544	Tin Capsules Pressed, Standard Weight 8 x 5mm	100	D1009
0990-2017	O Ring Nitrile Rubber	10	E1005
0990-2048	O Ring Nitrile Rubber	1	E1010
0990-2123	O Ring Nitrile Rubber	2	E1014
0990-2188	O Ring Silicone Rubber	10	E1009
N241-0092	Nickel/Chromium Oxide Granular 0.85 to 1.7mm	25gm	B1033
N241-0145	Silver Gauze 60 Mesh 12.5 x 150 mm	1	B1037
N241-0154	Reduction Tube Transparent Silica 2400 Series	5	C2039
N241-0155	Tin Capsules, Ultra-Clean Pressed, Standard Weight 6 x 4mm, Bulk Pack	10 x 96	D1112
N2410164	Silver Vanadate Reagent Granular 0.85 to 1.7mm	100gm	B1142
N241-0166	Nickel/Chromium Oxide Granular 0.85 to 1.7mm	100gm	B1146
N241-0212	Combustion Tube Transparent Silica 2400/2410 Series	5	C2038
N241-0278	Tungstic Oxide/Zirconium Oxide Granular 0.85 to 1.7mm	50gm	B1082
N241-0324	Cystine OAS	5gm	B2105
N241-0325	Ethylenediaminetetra-acetic Acid (EDTA) OAS	100gm	B2137
N241-0501	Sulphamic Acid OAS	1gm	B2017

Perkin Elmer - Elemental Microanalysis (cntd.)

OEM Part ³	Product	Pack	Cat. no.
N241-0512	Consumable Kit CHNS PE2400	1	X2010
N241-0518	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	200gm	B1100
N241-1235	Pyrolysis Tube Transparent Silica 2400 Series	1	C2018
N241-1255	Tin Capsules, Ultra-Clean Pressed, Standard Weight 6 x 4mm	96	D1027
N241-1264	Combustion Tube Transparent Silica 2400 Series	1	C2015
N241-1273	Platinum Gauze 225 mesh 12 x 150mm	1	D7006
N241-1274	Retreiving Wire	1	E2101
N241-1291	Reduction Tube Transparent Silica 2400 Series	1	C2016
N241-1300	Link Tube Transparent Silica 2400 Series	1	C2019
N241-1333	Reduction Tube Plug With Flange Copper 2400 Series	1	D6002
N241-1335	Vial Receptacle Nickel 2400 Series	1	D6000
N241-1359	Scrubber Tube Transparent Silica 2400 Series	1	C2021
N241-1362	Tin Capsules Pressed, Standard Weight 8 x 5mm	250	D1008
N241-1364	Silver Capsules, Ultra-Clean Pressed 6 x 4mm	96	D2027
N241-1401	Slitted Sleeve Transparent Silica 2400 Series	1	C2025
N241-1514	Combustion Tube Transparent Silica 2400/2410 Series N2411514	1	C2024
N241-1527	Copper Granules Pound Pack Reduced 0.3 to 0.85mm	454gm	B1138

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- ThermoFinnigan (Carlo Erba/Fison) **NA1400**
- Leco® **FP-228**
- Leco® **FP-328**
- Leco® **FP-428**
- Leco® **FP-528**
- Leco® **FP-2000**
- Leco® **Truspec N**
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