



catalogue

A world of products and services
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:

- **Inorganic**
- **Organic Carbon / Sulphur**
- **Micro/CHN (OS)**
- **Macro CHN/CNS**
- **IRMS Supplement**
- **Capsules**
- **Laboratory Analysis Service**

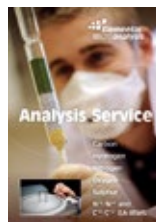
Product Sheets



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. A complete list of all the instruments we support can be found on p45-46 of this catalogue

Contract Analysis Service



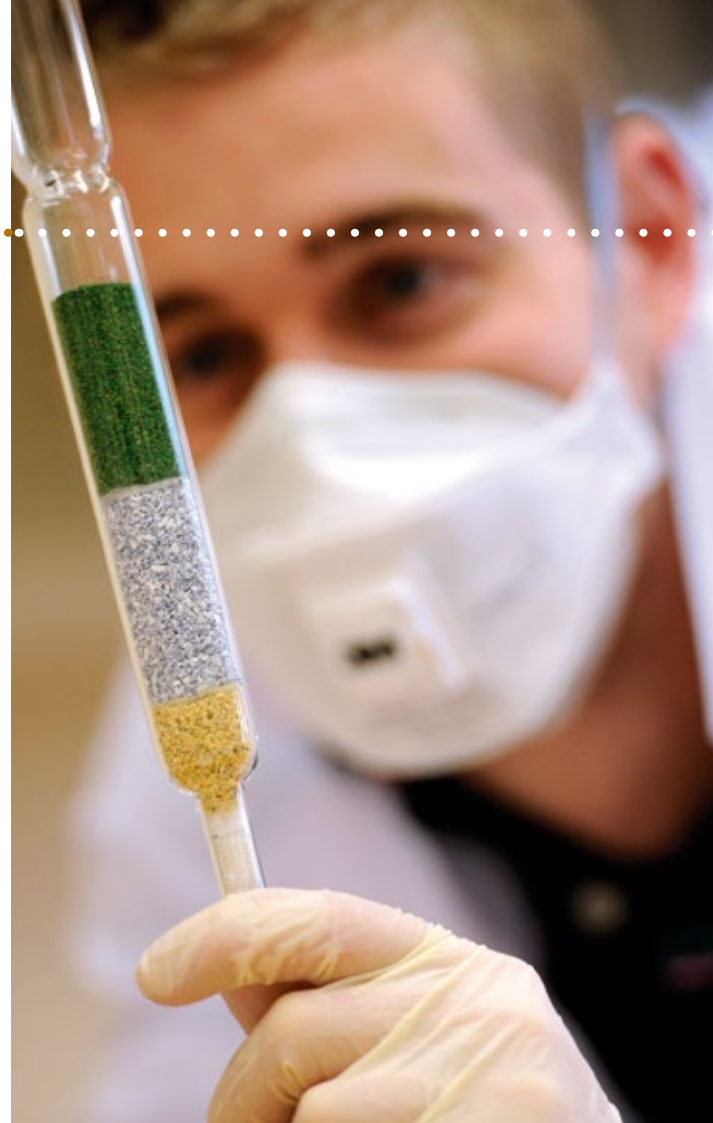
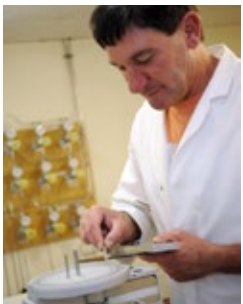
We also offer a contract analysis service for a variety of (mainly) organic compounds. Full details are in this brochure.

All literature is available using the 'fax-back' form on P45-46 of this catalogue or can be downloaded from our website.

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Introduction



About the Company

Elemental Microanalysis grew from small beginnings almost 35 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 35 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 9001:2008 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 25 years.



price is what you pay, **value** is what you get.

Guaranteed quality

Our quality system is certified to BS EN ISO 9001:2008 by LRQA and our laboratory has UKAS ISO/IEC 17025:2005 accreditation. 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.



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.

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.

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.

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.

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.

Chemical Supplies Nitrogen/Protein analysis

Cat No	Description	Pack	Leco® part*
B1163	Aluminium Oxide Pellets	200g	502-188
B1186	Combustion Aid for Liquids	454g	501-427
B1185	Combustion Aid for Solids	250g	501-426
B1184	Combustion Catalyst	250g	502-321
B1136	Copper Turnings Extra Fine Long Strands	100g	
B1107	Copper Turnings Fine Long Strands Reduced and Annealed	200g	502-258 / 502-295 / 501-621
B1015M	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	502-189 / 502-304
B1083M	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454g	502-304-500
! B1161	EMADrone Magnesium Perchlorate	454g	501-171 / 501-171-HAZ
! B1162	EMASorb A Granular 0.8 to 1.6mm 14 to 25 mesh	500g	502-174 / 502-174-HAZ
! B1164	EMASorb B Granular 1.6 to 3mm 7 to 14 mesh	500g	502-176
B1527	F/Cl Trap Material	225g	769-610
! B1191	Furnace Reagent	100g	501-609
B1167	Glass Wool Borosilicate Fibres	227g	763-265
B1166	Glass Wool Borosilicate Fibres	450g	501-081
B1266	Glass Wool Rope Borosilicate Fibres	454g	501-081
B1267	Glass Wool Rope Borosilicate Fibres	227g	763-265
B1269	Halogen Scrubber	50g	502-351
B1526	Halogen Trap Material	200g	769-608
B1195	Iron Chip Accelerator	908g	501-077
B1165	Iron Wool Grade #2	500g	502-310
B1190	Magnesium Oxide Beads	200g	502-359
B1061	Nitrogen Catalyst Pellets	50g	502-049
B1139	Platinised Alumina 1% Pt Granular 0.85 to 1.2mm	50g	
B1351	Silica (Quartz) Wool Fine	10g	
B1350	Silica (Quartz) Wool Fine	50g	502-177
B1192	Silica (Quartz) Wool Strips	10	608-379
B1102	Silica (Quartz) Wool Very Fine	50g	502-314
! B1187	Vanadium Pentoxide Accelerator	454g	501-636

! These products are classified as dangerous for shipping.

We support the following Nitrogen Protein analysers from Leco®:

- Leco TruMac
- Leco Truspec N
- Leco FP2000
- Leco FP228
- Leco FP328
- Leco FP428
- LecoFP528
- Leco FP2000

Please contact us for a Product Sheet specifically for your analyser.



Glass Wool Borosilicate Fibres B1166



Nitrogen Catalyst Pellets B1061



Silica (Quartz) Wool Strips B1192



Nitrogen/Protein analysis

Capsules, Boats & Crucibles



Smooth Wall Tin Capsules D4009



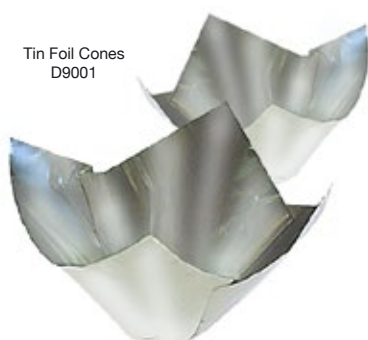
Smooth Wall Tin Capsules D4003



Smooth Wall Tin Capsules D4007



Copper Capsules D4100



Tin Foil Cones
D9001

Ceramic Boat Liners
Nickel D5300



Ceramic Crucibles C4039



Transparent Silica Crucible C4048



Transparent Silica Crucible C4046

Cat No	Description	Pack	Leco® part*
D9005	Cel Capsules Medium	400	502-382
D9004	Cel Capsules Small	400	502-338
D5300	Ceramic Boat Liner Nickel 50 x 15 x 8mm	100	502-343
C4038	Ceramic Boats Unglazed	50	529-203
C4137	Ceramic Boats Unglazed	250	528-203-250
C4136	Ceramic Boats Unglazed	500	529-203-500
C4036	Ceramic Boats Unglazed Pack of 100	100	529-203
C4039	Ceramic Crucibles pack of 50	50	529-026
C4040	Ceramic Stop	1	606-308
D4100	Copper Capsules Part Round Base 6 X 18mm	100	501-571
C4029	Crucible Transparent Silica	1	
C4046	Crucible Transparent Silica pack of 50	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
D9003	Large Tin Foil Cones Standard Weight	400	502-397-400
D9002	Large Tin Foil Cones Standard Weight	100	502-397
C4067	Porous Crucible	5	614-961-110
C4065	Porous Crucible	10	614-961
C4210	Silica (Quartz) Crucible 25mm x 64mm Leco FP428	50	
D4001	Smooth Wall Tin Capsules Flat Base 6 x 3mm	100	
D4131	Smooth Wall Tin Capsules Flat Base 6 x 3mm	250	
D4132	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	250	
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
D4035	Smooth Wall Tin Capsules Round Base 9 x 3.5mm	100	502-187
D9010	Tin Foil Cones Standard Weight	1500	502-186 / 502-186-200
D9001	Tin Foil Cones Standard Weight	100	502-186

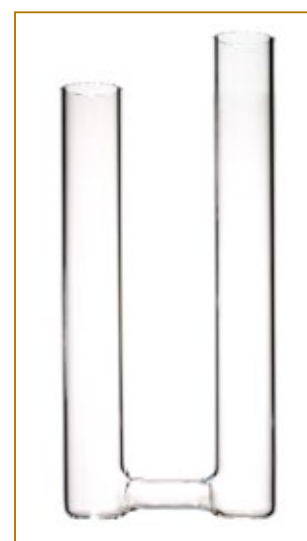
Quartz, Glassware & Furnace Tubes

Nitrogen/Protein analysis

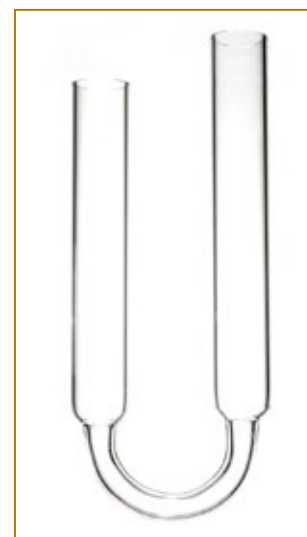
Cat No	Description	Pack	Leco® part*
C4032	Bubble/Filter/Reagent Tube Borosilicate Glass	5	771-030
C4023	Catalyst Heater Tube Transparent Silica	1	601-437
C4123	Catalyst Heater Tube Transparent Silica	5	
C4070	Ceramic lance tube 4 hole 291.5MM for TruMac	1	625-602-187
C4057	Combustion Tube FP-528	1	616-108
C4231	Combustion tube inner	1	625-601-555
C4230	Combustion tube outer	1	625-601-554
C4021	Combustion Tube Transparent Silica	1	601-506 / 609-116-110
C4035	Combustion Tube Transparent Silica	1	609-116
C4135	Combustion Tube Transparent Silica	5	601-438-110
C4022	Combustion Tube Transparent Silica Style 1	1	601-438
C4122	Combustion Tube Transparent Silica	5	
C4045	Combustion Tube Transparent Silica Style 2	1	601-508
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
C4044	Lance Tube Drilled	1	606-340
C4041	Outer Combustion Tube Ceramic	1	606-309
C4026	Oxygen Lance Flared Transparent Silica	1	601-441
C4051	Oxygen Lance Long (Lance length 5.25)	1	616-146
C4066	Oxygen Lance Short (lance length 4.75)	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
X3021	Prepacked Combustion Tube FP228/428		
	After serial #3345 & All FP328 Using C4035 Tube	1	
X3020	Prepacked Combustion Tube FP228/428		
	Before serial #3445 Using C4022 Tube	1	
X3010	Prepacked Combustion Tube Leco FP528	1	
X3000	Prepacked Reduction Tube Leco FP Transparent Silica	1	
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
C4339	Reduction Tube Truspec	1	619-154
C4210	Silica (Quartz) Crucible 25mm x 64mm Leco FP428	50	
C4030	Support Honeycomb Alumina Ceramic 29mm diam x 20mm	1	601-482
C4341	Tube TruSpec	1	619-268
E2059	Water/Carbon Dioxide Scrubber Glass Only Part of E2047		



C4041 (Height: 370mm) C4042 (Height: 346mm)



C4338 (Height:286mm)



C4057 (Height: 310mm)



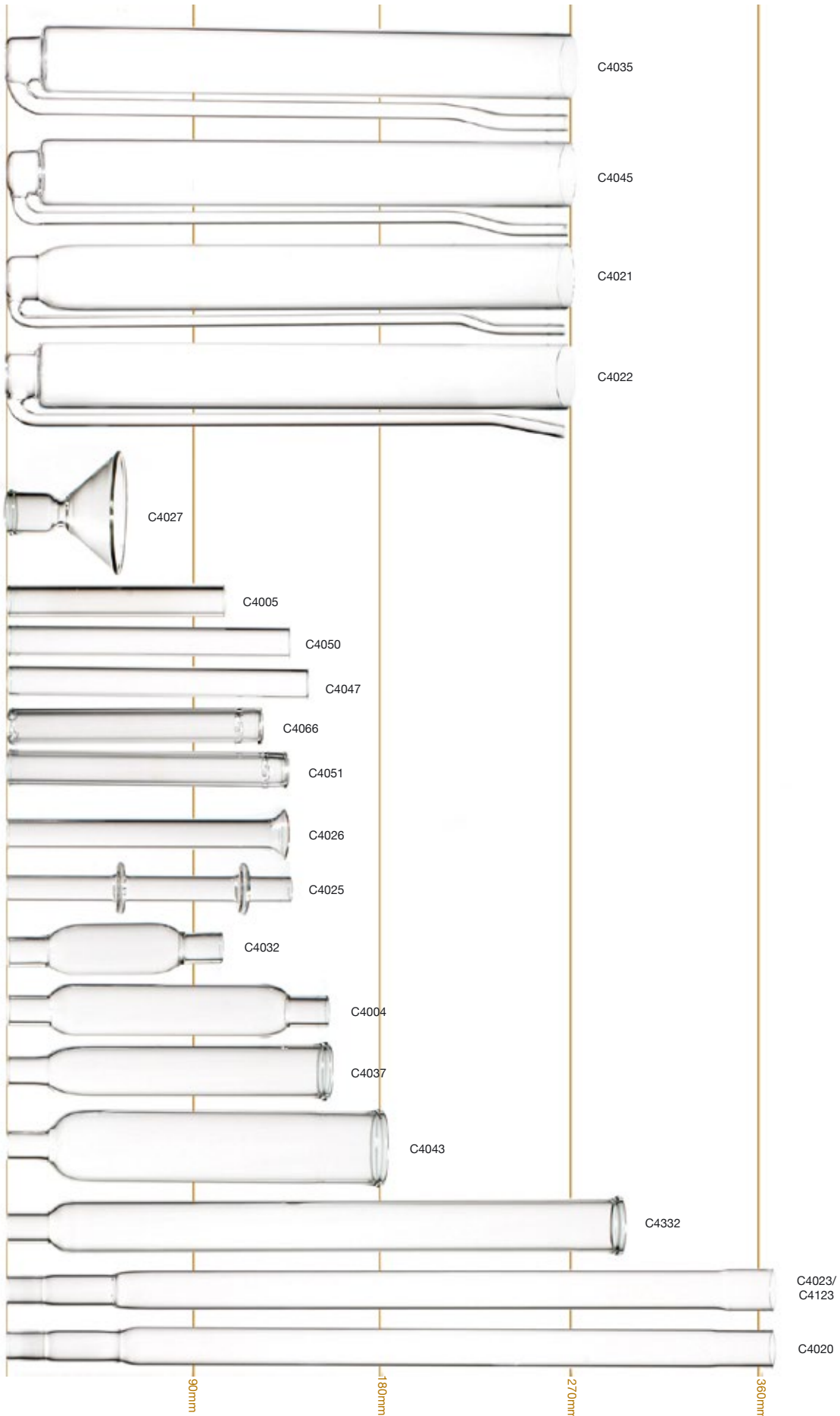
Honeycomb Ceramic C4058



Support Honeycomb C4030

Nitrogen/Protein analysis

Quartz, Glassware & Furnace Tubes

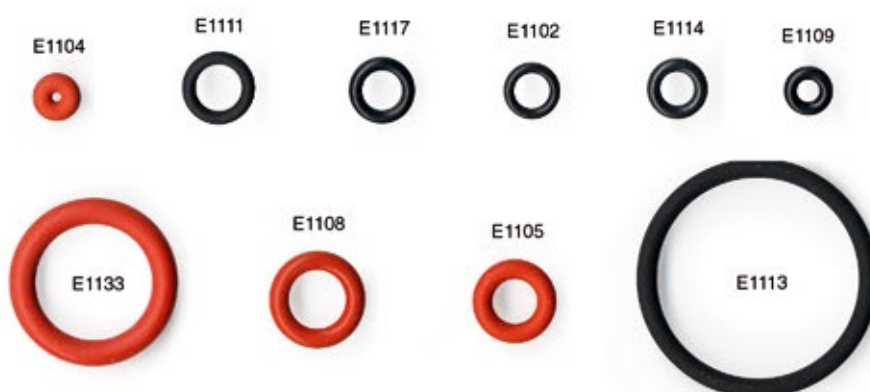


O-Rings & Seals

Nitrogen/Protein analysis

Cat No	Description	Pack	Leco® part*
E1100	O Ring Sample Drop Block	1	772-910
E1101	O Ring Catalyst Heater Tube	1	601-442
E1102	O Ring	1	601-939
E1103	O Ring Sample Drop Block	1	601-504 / 773-913
E1104	O Ring Loader Head	1	604-488 / 611-477
E1105	O Ring Combustion/Catalyst/Filter Tube	1	605-828
E1106	O Ring Lance Tube	1	761-492
E1107	O Ring Condensing Block	1	763-379
E1108	O Ring Combustion Tube	1	609-114
E1109	O Ring Doser Valve Assembly	10	772-269
E1110	O Ring	1	772-520
E1111	O Ring Catalyst Heater Assembly	1	772-738
E1112	O Ring Sample Drop Block	1	589-551
E1113	O Ring Reagent Tube	1	773-141
E1114	O Ring Sample Drop Block	1	771-040
E1115	O Ring Combustion Tube	1	776-284
E1116	O Ring Ballast Tank	1	778-116
E1117	O Ring Combustion System	1	606-333
E1118	O Ring Combustion System	1	611-431
E1119	O Ring Inner Combustion Tube	1	606-312
E1120	O Ring Outer Combustion Tube	1	606-310
E1121	O Ring Combustion System	1	760-841
E1122	O Ring Precooler Assembly	1	771-991 / 773-320
E1123	O Ring Combustion System	1	774-489
E1124	O Ring Combustion System	1	775-314
E1125	Neoprene Gasket Ballast Seal	1	778-120
E1131	O Ring Catalyst Heater Tube	1	778-114
E1132	Seal Viton	1	589-305
E1133	O Ring Filter Tube	1	765-976 / 608-378 / 611-476
E1134	Radial shaft seal autoloader	1	609-271
E1139	O-Ring Lance Assembly FP528	2	780-831
E1140	O-Ring Combustion Tube FP528	1	616-138
E1311	O Ring	1	771-407
E1342	O Ring	1	774-425
E1344	O Ring	1	601-684
E1345	O Ring	1	617-136
E1349	O Ring	1	602-803
E1358	O Ring	1	619-139
E1359	O Ring	1	619-192
E1360	O ring	1	702-557

(O-rings shown actual size)



O-Rings & Seals (continued)

O-rings shown
actual size.



E1116

E1115

E1342

E1140

E1124

E1103

E1118

E1359

E1125

E1360

E1120

E1119

E1358

E1344

E1349

E1122

E1123

Other Operating Supplies Nitrogen/Protein analysis

Cat No	Description	Pack	Leco® part*
E2768	Boat Puller Assembly	1	501-062
E2736	Braided Cable	1	606-319 / 613-563
E2772	Braided Cable (short strap)	1	606-286
E2228	Cajon Fitting For Sample Drop Plates	1	
E2203	Cellulosic Tubes (Sampling Tubes)	500	502-210 / 625-602-172
E2794	C-Flex Tubing Repl Kit	1	625-602-470
E2154	Cleaning Brush	1	601-981
X3101	Consumable Kit (Ceramic Combustion) FP2000 Contains one each of the following		
	C4040, C4041, C4042, C4056, E1117, E1119, E1120	1	
X5151	Consumable Kit 1000 Analysis for TruEssential (Small Tin Foils)	1	502-445-HAZ
X5150	Consumable Kit 5000 Analysis for Truspec (Small Tin Foils)	1	502-621-HAZ
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
E2499	Dosing Valve Stem	1	616-540
E2166	Dosing Valve Stem Stainless Steel Without O Rings	1	601-937
E2745	Fan FP528	1	616-548
E2016	Forceps Stainless Steel Curved Points	1	604-378
E2017	Forceps Stainless Steel Straight Points	1	502-028
E2774	Furnace Assembly FP428	1	601-862-110
E2204	Heating Element Clamp	1	606-320
E2206	Heating Elements	4	606-601
E5007	Hotplate Evaporator 110/120VAC	1	
E5006	Hotplate Evaporator 220/240VAC	1	
E2498	Lance Assembly Complete	1	614-963
E2199	Lance Assembly Complete	1	616-147
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
E2379	Mesh screen filter	1	617-441
E2464	O-Ring Installation Tube	1	603-350
E2369	Particle Filter	1	616-504
E2151	Particle Filter	1	768-980
E2157	Particle Filter with Drain	1	609-107



Particle Filters



Lance Assemblies

Nitrogen/Protein analysis

Other Operating Supplies (continued)



Snoop Leak Detection Fluid
E2039



Secondary (Screen) Filter
E2235



Valve Block E2196



Printer Ribbon E2156



Printer Ribbon E2153

Cat No	Description	Pack	Leco® part*
E2150	Pinch Valve Tubing	1ft	601-691
E2183	Pneumatic Cylinder 1 Stroke 3/8 Bore	1	601-876
E2164	PolyFlow Tube 1/4 OD x 1/8 ID	1ft	537-103
E2169	Polyu Tubing 1/8 OD x 1/16 ID	1ft	773-662
E2152	Printer Paper American Letter 8.5 x 11	600	601-483
E2155	Printer Paper Roll 4.5 x 3 x 0.375 (length 115 x diameter 78 x Internal diameter 10mm)	1	780-927
E2153	Printer Ribbon	1	601-484
E2156	Printer Ribbon	1	780-928
E2168	Quick Coupling 1/16 Male Bulkhead with valve	1	604-392
E2176	Quick Coupling 1/16 Female Bulkhead clip w/o valve	1	604-393
E2177	Quick Coupling 1/16 Female Bulkhead w/o valve & clip	1	604-394
E2231	Sample Drop Plate Aluminium FP328/428	1	604-326
E2163	Screw Nylon 6-32 x 1 Slotted Countersunk Head	1	190-865
E2184	Screw S/S 4-40 x 0.38 Philips Pan Head	1	190-927
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
E2236	Screws for Sample Drop Plate	4	190-095
E2238	Seal Piston FP228 328 428 528 CHN1000/CNS1000	1	601-883
E2235	Secondary (screen) Filter	1	775-306
E6003	Service Kit FP2000	1	
E6004	Service Kit FP328	1	
E6000	Service Kit FP428	1	
E2372	Shim Combustion Tube FP228/328/428	1	601-397
E2158	Silicone Grease	100g	501-241
E2039	Snoop Leak Detection Fluid	236ml	502-213
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	1ft	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.

Chemical Supplies Nitrogen/Protein analysis

Cat No	Description	Pack	Thermo part*
⚠ B1236	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100g	
⚠ B1100	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	200g	
⚠ B1018	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	25g	33822000
⚠ B1237	Carbosorb Granular 1.4 to 2.8mm CO2 Absorbant	100g	
⚠ B3017	Chromosorb W 30-60 mesh Acid Washed	25g	33837530
B1016	Copper Wires Coarse Wires Reduced 6 x 0.65mm	100g	33835300
B1046	Copper Wires Coarse Wires Reduced 6 x 0.65mm	50g	33835312
B1015	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	33835300
B1199	Copper Wires Pound Pack Coarse Wires Reduced 6 x 0.65mm	454g	
⚠ B1116	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh CO2 Absorbant	25g	
B1279	Flash 4000 High Quality Copper	220g	33835305
⚠ B1275	Magnesium Perchlorate (Flakes)	100g	
⚠ B1274	Magnesium Perchlorate (Flakes)	25g	33821900
B1047	Molecular Sieve 3A 1/16 pellets	100g	33801801
B1103	Oxidation Catalyst NA2000/NA2100		
	Copper Oxide/Platinised Alumina	100g	33840000
B1247	Pt 0.5% on Alumina pellets	100g	33839055
B1250	Quartz Wool Discs 15mm Diameter	25	
B1271	Silica (Quartz) Chips Granular 0.85 to 1.7mm	100g	
B1272	Silica (Quartz) Chips Granular 0.85 to 1.7mm	250g	
B1008	Silica (Quartz) Chips Granular 0.85 to 1.7mm	50g	33822300
B1351	Silica (Quartz) Wool Fine	10g	
B1350	Silica (Quartz) Wool Fine	50g	
B1208	Silica (Quartz) Wool Very Fine	10g	
B1276	Silica (Quartz) Wool Very Fine	15g	33822205
B1056	Silica (Quartz) Wool Very Fine	50g	
B1102	Silica (Quartz) Wool Very Fine	50g	
B1017	Silica (Quartz) Wool Very Fine	5g	33822200
B1211	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	100g	33835235
B1189	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	200g	33835230
B1092	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	800g	

⚠ These products are classified as dangerous for shipping.

We support the following Nitrogen Protein analysers from ThermoFisher:

Thermo Flash 4000

Thermo EA1112 Protein/Flash2000

Thermo NA2000/2100

Please contact us for a Product Sheet specifically for your analyser.



Oxidation Catalyst B1103



Copper Wires B1015



Silica (Quartz) Chips B1008



Quartz Wool Discs B1250

Nitrogen/Protein analysis

Capsules, Boats & Crucibles



Tin Foil discs D1066

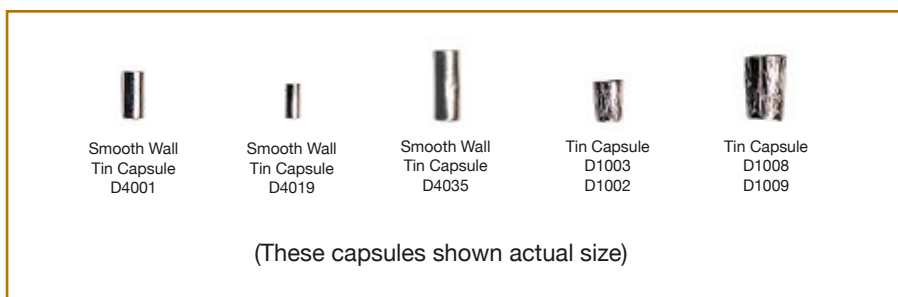
Cat No	Description	Pack	Thermo part*
C1053	Removable Swarf Crucible for C1022 & C1024 Transparent Silica	5	
C1054	Removable Swarf Crucible for C1023 & C1025 Translucent Silica	5	
D4019	Smooth Wall Tin Capsules Flat Base 4.5 x 2mm	100	24008820
D4001	Smooth Wall Tin Capsules Flat Base 6 x 3mm	100	24008810
D4131	Smooth Wall Tin Capsules Flat Base 6 x 3mm	250	
D4035	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	100	24007200
D4132	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	250	
C1026	Swarf Crucible Transparent Silica for C1023	5	
C1016	Swarf Crucible Transparent Silica for C1069, C1072 & C1078	5	
D1004	Tin Capsules Pressed Standard Weight 5.25 x 3.2mm	250	
D1009	Tin Capsules Pressed Standard Weight 8 x 5mm	100	24006400
D1002	Tin Capsules Pressed, Standard Weight 5 x 3.5	500	
D1003	Tin Capsules Pressed, Standard Weight 5 x 3.5	100	24005300 / 1144320
D1008	Tin Capsules Pressed, Standard Weight 5 x 3.6	250	
D1078	Tin Foil Discs 35mm	100	25208018
D1079	Tin Foil Discs 62mm	100	25208019
D1066	Tin Foil Discs Standard Weight 30mm diameter	100	25208015
D1059	Tin Foil Discs Standard Weight 34mm	100	
D1077	Tin Foil Discs Standard Weight 85mm	100	25208021
D5055	Tin Weighing Pans Pressed Standard Weight 10 x 10mm	100	25208000
D5216	Tin Weighing Pans Pressed, Ultra-Light Weight 10 x 10mm	100	



C1053

C1054

Swarf Crucibles



Smooth Wall
Tin Capsule
D4001

Smooth Wall
Tin Capsule
D4019

Smooth Wall
Tin Capsule
D4035

Tin Capsule
D1003
D1002

Tin Capsule
D1008
D1009



Smooth Wall Tin Capsule D4001



Tin Weighing Pans D5055



C1016

C1026

Swarf Crucibles

Quartz, Glassware & Furnace Tubes

Nitrogen/Protein analysis

Cat No	Description	Pack	Thermo part*
F5150	High Performance Alloy Reactor Flash EA1112	1	46820075
F5153	High Performance Inconel Reactor Crucible Flash EA1112	1	25205011
C1046	Liquid Injection Reaction Tube Translucent Silica	1	46820040
C1095	Quartz Ash Crucible EA1112	1	
C1092	Quartz Reactor (Version of HPAR46820075)	1	
C1078	Reaction Tube (Heavy Wall) Transparent Silica	1	46820001
C1072	Reaction Tube (Heavy Wall) Transparent Silica Quick'n'Easy System	1	1
C1024	Reaction Tube Modified Transparent Silica EA1108/NA1500(2)/NA2000	1	1
C1023	Reaction Tube Translucent Silica	1	46820000
C1022	Reaction Tube Transparent Silica	1	46820060
C1087	Reduction Tube Quartz Flash Protein & Soils		
C1053	Removable Swarf Crucible for C1022 & C1024 Transparent Silica	5	
C1054	Removable Swarf Crucible for C1023 Transparent Silica	5	
C1026	Swarf Crucible Transparent Silica for C1023	5	
C1016	Swarf Crucible Transparent Silica for C1069, C1072 & C1078	5	
E2040	Water/Carbon Dioxide Scrubber	1	28113060
E2047	Water/Carbon Dioxide Scrubber	1	28113106

* **Thermo Part:** The use of Thermo part numbers is informational only, and does not imply that the products are of ThermoFisher. ThermoFisher Microanalysis products are guaranteed to be of high quality and to be suitable alternatives.



Nitrogen/Protein analysis
Consumable Kits & Prepacked Tubes

Cat No	Description	Pack	Thermo part*
X1098	Consumable Kit 1000 Analyses Kit For NA2000	1	19004143
X1097	Consumable Kit 1000 Analyses N Org EA1112	1	19002413
X1011	Consumable Kit 1000 Analyses NA2000 Nitrogen	1	19002406
X1099	Consumable Kit 1000 Analyses NA2000 With SS Tube	1	19004151
X1089	Consumable Kit 1000 Analysis for Flash 4000	1	19002440
X1100	Consumable Kit 1000 analysis NC 2100 Soil	1	19004155
X1090	Consumable Kit 5000 Analysis for Flash 4000	1	19002450
X3211	Kit 1000 Analyses NC Flash1112	1	1142960
X1150	Prepacked Oxidation High Performance Alloy Reactor	1	46802008
X1166	Prepacked Reactor Tube N/CN/CN EA1112 using 25mm Quartz Tube (C1092)	1	
X1035	Prepacked Reactor Tube NA2000/2100 Nitrogen/Protein For Use With E2193 Quick Fit System	1	
X1033	Prepacked Reactor Tube NA2000/2100 Stainless Steel	1	
X1013	Prepacked Reactor Tube NA2000/2100 Translucent Silica	1	46800660
X1014	Prepacked Reduction Tube Translucent Silica	1	46800650
X1048	Prepacked Reduction Tube 1500(2) 2500 Transparent Silica	1	46800650

Nitrogen/Protein analysis
O-Rings & Seals

Cat No	Description	Pack	Thermo part*
E6051	Bottom O-Ring For Alloy Reactor Flash EA1112	5	29020649
E6055	MAS 200R Autosampler Piston O-Ring	1	29002195
E1059	O Ring Viton Rubber	2	29010082
E1041	Seal Viton Rubber Chamfered Square Profile	5	29022910
E6056	Silicon O-ring for crucible	5	29010684
E6050	Top O-Ring For Alloy Reactor Flash EA1112	5	29020682
E6057	Viton O-ring for reactor	5	29010386



E6051



E6050



E1041



E1059

(O-rings shown actual size)



E6057



E6056



E6055

Other Operating Supplies Nitrogen/Protein analysis

Cat No	Description	Pack	Thermo part*
F6201	25mm Bottom Fittings With Interconnecting Tubing and Fittings FlashEA1112	1	
F5165	32A Wrench	1	20501610
E2107	Absorbent Discs 10mm	100	
F4506	Aluminium Ferrule 2mm	10	29034045
E4404	Blue Flexible Tubing Polyurethane 5x3mm	3m	42010000
E2065	Cell Well 12 Flat Bottom	1	24010049
E6100	Ceramic Disk 28mm	20	27204505
F5113	Cleaning Tool	1	20500625
F2201	Cone Replacement Kit AS128	1	19004157
F2401	Cooling Fan 120mm 240VAC 18W	1	40600300
F5163	End Fitting Adsorbion Trap Connection	1	35008455
F5107	Extractor for crucible	1	20500627
F5105	Extractor for Crucible Flash 4000	1	20500629
F5106	Extractor for HPAR reactor	1	20500626
F5102	Forceps	1	
E2016	Forceps Stainless Steel Curved Points	1	20500500
E2138	Furnace Core 1500/1108/1110/2000/2500 w/o thermocouple	1	35450010
E5007	Hotplate Evaporator 110/120VAC	1	
E5006	Hotplate Evaporator 220/240VAC	1	
F5162	Large Adsorbion trap Co2 Without Fast Connectors	1	28113064
F5108	Large Spatula For NA2000	1	20500521 / 20500620
D6005	Metal Swarf Crucible NA2000/2100	1	25205000
E3022	Separation Column Nitrogen 0.5m	1	26007820
E2115	PTFE Tube 6mm x 4mm x 1m	1m	42001700
E2159	Reaction Tube Stainless Steel	1	46820050
E4410	Replacement furnace Flash EA with 18mm and 25mm adaptors	1	35460018 / 35460021
F5112	Sealing Device	1	25209010
E3005	Separation Column Nitrogen	1	26070004
E2158	Silicone Grease	100g	29000057
F4541	Sleeve PTFE OD2	10	29034545
E2039	Snoop Leak Detection Fluid	236ml	
F2176	Solenoid Valve 4W	1	40519015
F5115	Spatula	1	
F5103	Spatula	1	20500600
F5104	Spatula (Left Handed)	1	20500600
D6050	Stainless Steel Crucible Flash EA 1112	1	25205010
F2153	Thermocouple	1	40320000
F5164	Tool For Lower Fitting EA	1	20500628
F4510	Tube Coupling 18 to 2mm Lower Reaction	1	34709518
F4523	Tubing Nuts 2mm	10	1121370 / 35040403
E2211	Tubing PTFE 4x2mm	1m	42001600
E2213	Tubing PTFE 4x2mm	5m	42001601
F6112	Upper Seal AS128 PTFE Between Sample Tray & Cone Body	1	29003195
E2340	Water/CO2-trap for NA2000 Plastic part only (Complete trap with metal caps see E2040)	1	



Nitrogen Column, Flash EA™ 1112 E3022



Separation Column, Nitrogen E3005



Solenoid Valve 4W F2176



Tubing Nuts 2mm F4523



Spatula F5104

Nitrogen/Protein analysis
Chemical Supplies


Alumina Spheres B1090


 Copper Wires, Fine
B1015M

Cat No	Description	Pack	Elementar part*
B1090	Alumina (Aluminium Oxide) Spheres 3 to 6mm	40g	50 008 467
B1089	Alumina (Aluminium Oxide) Wool Fine	20g	05 000 086
B1270	Cerium Dioxide Fused Granular	100g	05 000 469
B1270	Cerium Dioxide Fused Granular	100g	05 000 469
B1219	Cerium Dioxide Granular	100g	03 679 915
B1219	Cerium Dioxide Granular	100g	03 679 915
B1122	Copper Oxide Wires Fine Wires 4 x 0.5mm	250g	05 001 039
B1049M	Copper Wires (3 x 50g) Fine Wires Reduced 4 x 0.5mm	150g	
B1091M	Copper Wires 3x100gm Pack Fine Wires Reduced 4 x 0.5mm	300g	
B1015M	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	05 000 699
B1083M	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454g	
⚠ B1161	EMADrone Magnesium Perchlorate	454g	03 679 901
⚠ B1162	EMASorb A Granular 0.8 to 1.6mm 14 to 25 mesh	500g	03 679 900
B1204	Manganese Dioxide Sulphur Reduction in U-Tube	10g	05 000 880
B1196	Platinum Catalyst 5% Pt	30g	03 002 262
⚠ B1197	Sicapent (2.8L)	500g	03 960 352
B1214	Silica (Quartz) Chips Granular 1 to 2mm	100g	03 679 907
B1216	Silica (Quartz) Chips Granular 2 to 4mm	100g	
B1215	Silica (Quartz) Chips Granular 2 to 4mm	50g	05 000 900
B1351	Silica (Quartz) Wool Fine	10g	03 679 908
B1350	Silica (Quartz) Wool Fine	50g	
B1208	Silica (Quartz) Wool Very Fine	10g	
B1276	Silica (Quartz) Wool Very Fine	15g	
B1231	Silver Wool 0.05mm Fine Wire	50g	22 131 365
B4014	Tungsten (VI) Oxide Powder	90g	11.02-0024
B1205	Tungsten Granulated	470g	12.00-0040
B1210	Tungsten Granulated (Bulk)	2.5kg	12.00-0040
B1203	Tungsten Kit Complete 470gm of Tungsten+25 Stainless Gauzes	1	12.01-0045

⚠ These products are classified as dangerous for shipping.



Silver Wool B1231



Tungsten Kit Complete B1203

Tungsten B1205

 Stainless Gauze
(25 in kit)
E2250


Platinum Catalyst B1196


 EMADrone
Magnesium Perchlorate
B1161

Capsules, Boats & Crucibles

Nitrogen/Protein analysis

Cat No	Description	Pack	Elementar part*
D9005	Cel Capsules Medium	400	
E2516	Cotton Wool	50g	05 001 715
D1117	Rapid Caps	190	05 001 013
D4003	Smooth Wall Tin Capsules Round Base 18 x 5mm	100	
D4007	Smooth Wall Tin Capsules Round Base 18 x 6mm	100	
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	05 000 311
D4131	Smooth Wall Tin Capsules Round Base 6 x 3mm	250	03 951 620
D4132	Smooth Wall Tin Capsules Round Base 9 x 3.5mm	250	03 951 619
D5022	Tin Boats 12 x 4 x 4mm	100	
D5130	Tin Boats 12 x 4 x 4mm	1000	22 137 418
D5023	Tin Boats 12 x 6 x 6mm	100	
D5131	Tin Boats 12 x 6 x 6mm	500	22 137 419
D5032	Tin Boats 8 x 8 x 15mm	250	22 137 420
D5033	Tin Boats 9 x 10 x 20mm	120	12.00-1009
D5140	Tin Boats Heavy Weight 12 x 4 x 4mm	1000	
D1011	Tin Capsules Pressed Standard Weight 20 x 8mm	100	
D9001	Tin Foil Cones Standard Weight	100	05 000 429
D9010	Tin Foil Cones Standard Weight	1500	
D1068	Tin Foil Squares Standard Weight 37 x 37mm	100	
D1116	Tin Foil Squares Standard Weight 37 x 37mm	400	12 010 032
D1085	Tin Foil Squares Standard Weight 43 x 43mm	100	
D1115	Tin Foil Squares Standard Weight 50 x 50mm	100	12.01-1012/4
D1118	Tin Foil Squares Standard Weight 50 x 50mm	500	12.01-0033



Tin Boats D5023



Tin Boats D5032

We support the following Nitrogen Protein analysers from Elementar:

Elementar RapidN

Elementar Rapid N Cube

Please contact us for a Product Sheet specifically for your analyser.



Smooth Wall Tin Capsules D4009



Smooth Wall Tin Capsules D4003



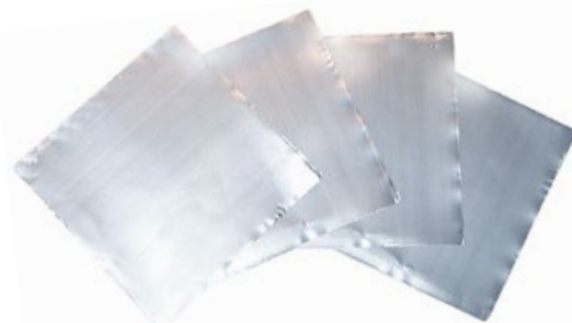
Tin Foil Cones D9001



Smooth Wall Tin Capsules D4007



Tin Foil Capsules D1011

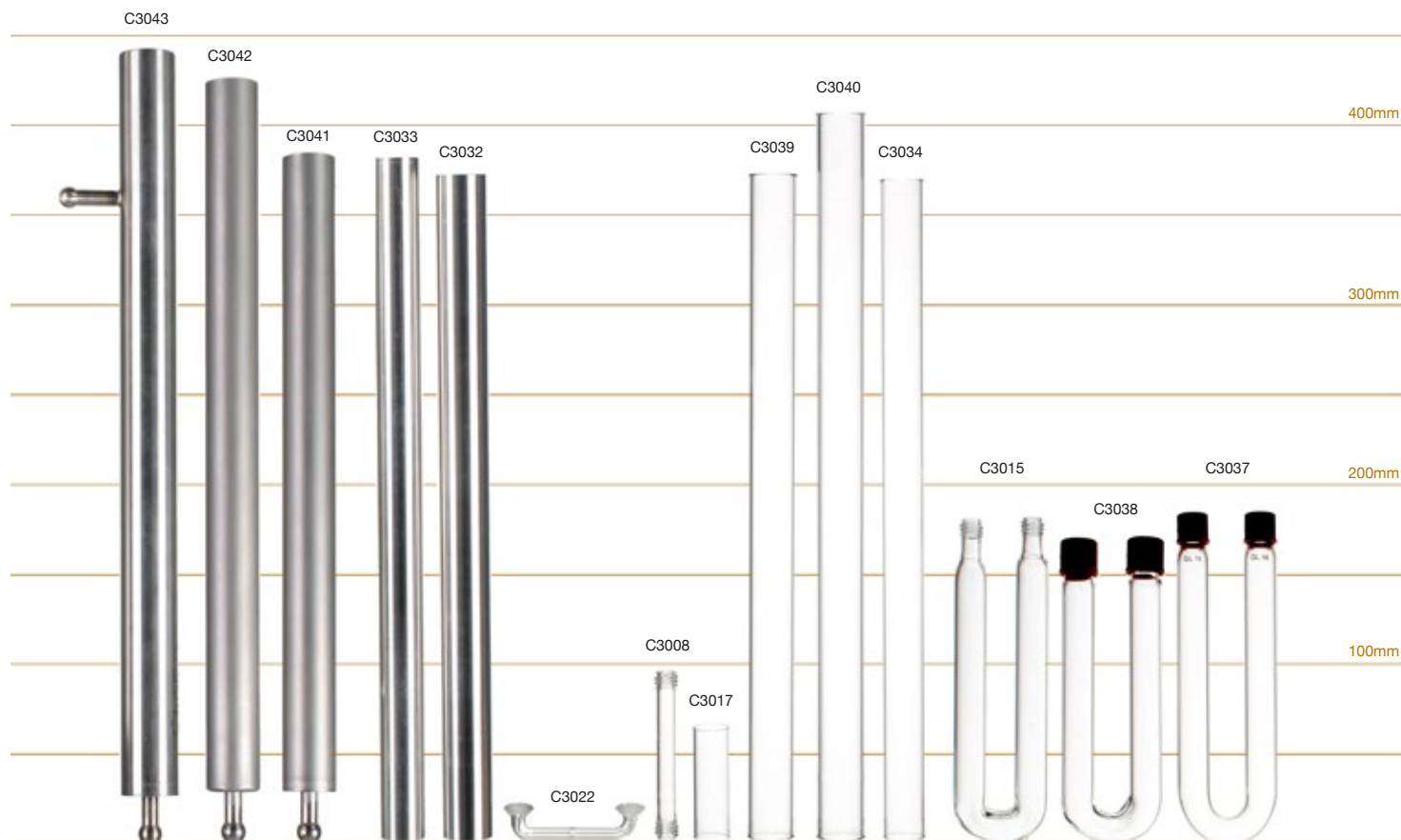


Tin Foil Squares D1068

Nitrogen/Protein analysis
Quartz, Glassware & Furnace Tubes

Cat No	Description	Pack	Elementar part*
C3030	Ash Finger Ceramic Rapid N	1	05 000 087
C3031	Ash Finger Stainless Steel	1	12.00-1087/4
C3043	Combustion Tube	1	25.00-1030
C3032	Combustion Tube Rapid N	1	12.00-1006/4
C3041	Combustion Tube S/S (From Serial Number 12991001)	1	12.01-1036/4
C3022	Connecting Tube Transparent Silica 65mm (Includes O-Rings)	1	11.00-1331/4
C3008	Drying Guard Tube Borosilicate Elementar	1	22 160 200/4
C3011	Oxygen Lance 140mm	1	05 000 088
C3042	Post Combustion Tube	1	25 00-1048
C3033	Post Combustion Tube Rapid N	1	03 002 849
C3015	Purification U Tube Vario-EL	1	22 160 301/4
C3039	Quartz Reduction Tube Tungsten System Rapid N	1	12.01-1013/4
C3040	Quartz Reduction/Tungsten Tube 29mm (From Serial Number 12991001)	1	25.00-0017
C3034	Reduction Tube Quartz Rapid N	1	03 002 253/4
C3017	Support Tube 65mm	1	11 001 172/4
C3038	U-Tube Large Complete with GL18 Caps	1	34 001 339/4
C3037	U-Tube Rapid N Complete with Caps GL14	1	22 160 301/4
C3035	Wire Mesh Ronde 18mm	1	12.00-1005/4
C3036	Wire Mesh Ronde 22mm	1	12.00-1004/4

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

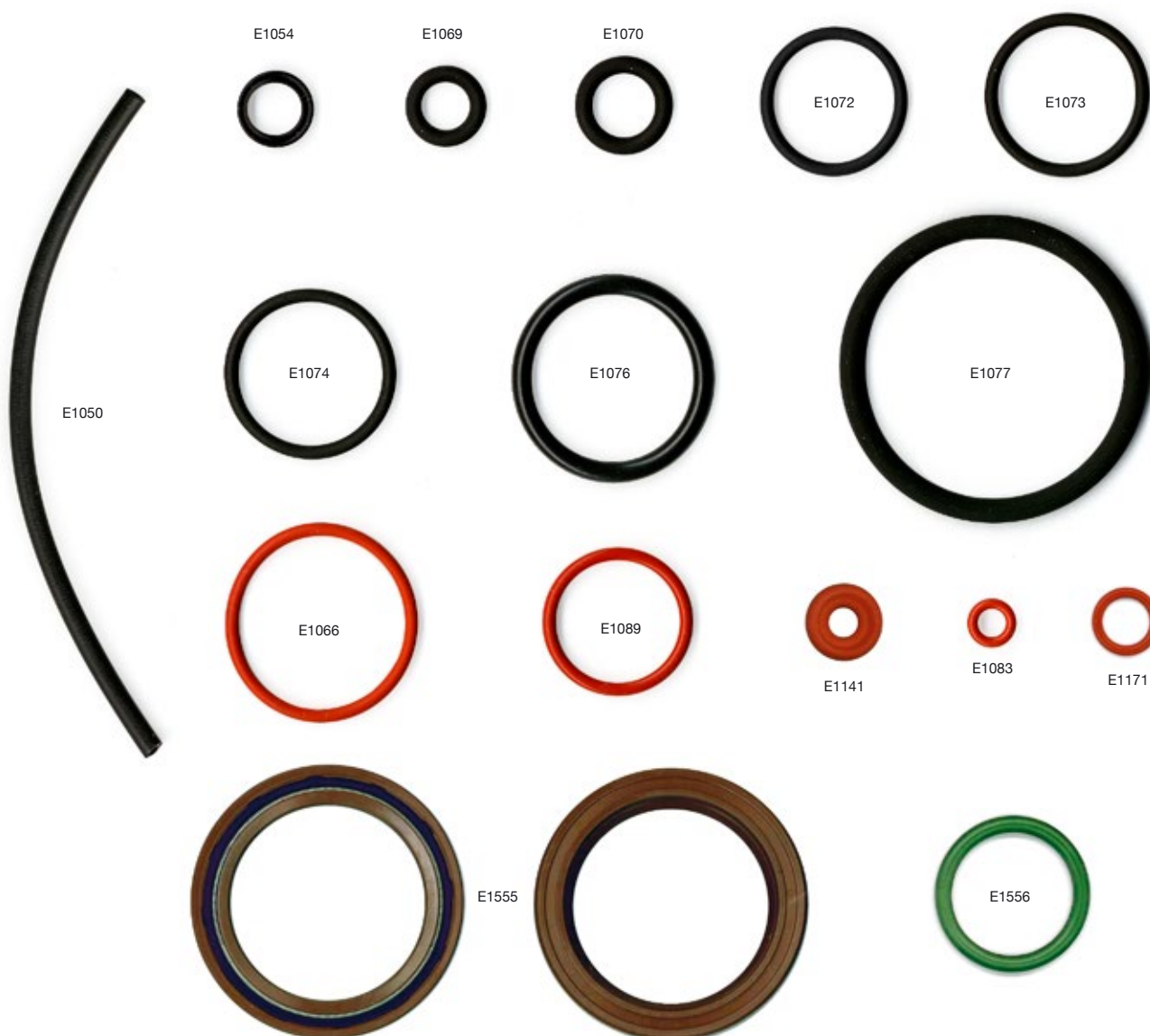


O-Rings & Seals

Nitrogen/Protein analysis

Cat No	Description	Pack	Elementar part*
E1050	Seal Viton Rubber	1	05 000 247
E1054	Quadring Viton Rubber	1	05 000 353
E1061	O Ring Kalrez	1	05 000 092
E1066	O Ring Silicone Rubber	1	03 654 629
E1069	O Ring Viton Rubber	1	05 000 416
E1070	O Ring Viton Rubber	1	05 000 359
E1072	O Ring Viton Rubber	1	05 000 096
E1073	O Ring Viton Rubber	1	03 654 627
E1074	O Ring Viton Rubber	1	05 000 095
E1076	O Ring Viton Rubber	1	05 000 371
E1077	O Ring Viton Rubber	1	05 000 372
E1083	O Ring Silicone Rubber	1	05 000 248
E1089	O Ring Silicone Rubber	1	03 002 252
E1141	O-Ring U-Tube Rapid N	2	
E1555	Shaft Seal	1	03 002 607
E1556	O-ring for Spring Flange	1	05 001 053
E1171	O Ring for gripper arm	1	03 002 395

(O-rings shown actual size)



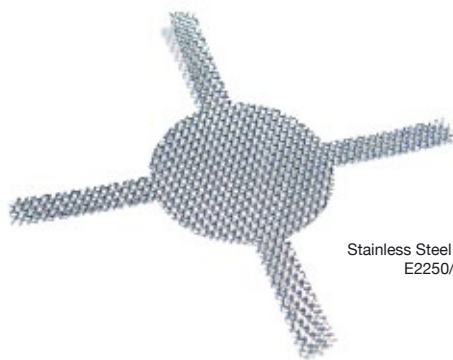
Nitrogen/Protein analysis
Other Operating Supplies

 Gripper Arm With O Rings
E2515

Cat No	Description	Pack	Elementar part*
E2109	Absorbent/Filter Discs 14.5mm	100	
E2518	Cap GL18	1	05 000 044
E2519	Cap GL25	1	05 000 046
E2516	Cotton Wool	50g	05 001 715
E2502	Crucible Tongs Rapid N	1	12 001 008
E1174	Filter Diameter 18mm	1	03 002 399
E2016	Forceps Stainless Steel Curved Points	1	03 001 248
E2517	GL14 screw cap	1	05 000 049
E2505	Gloves	Pair	05 000 094
E2515	Gripper Arm With O Rings	1	25.00-0029
E2512	Nitrogen Free Paper 12cm x 12cm	500	05 000 316
E2513	Nitrogen free paper 6x6cm	500	
E2250	Stainless Steel Gauze Spacers Tungsten System	25	12.01-1008/4
E2251	Stainless Steel Gauze Spacers Tungsten System (Bulk Pack)	100	12.01-1008/4
E2240	Vacuum Grease	100g	03 968 006


 Filter Diameter 18mm
E1174


Cotton Wool E2516


 Stainless Steel Gauze Spacer
E2250/E2251

Nitrogen/Protein analysis
Consumable Kits

Cat No	Description	Pack	Elementar part*
X6001	Consumable Kit for approx 4000 analysis Rapid N Cube	1	16.00-5013

Chemical Supplies Nitrogen/Protein analysis

We support the following Nitrogen Protein analyser from Perkin Elmer:

Perkin Elmer 2410

Cat No	Description	Pack	Perkin Elmer part*
! B1236	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100g	0240-0115
B1179	Chromium Oxide Granular 0.85 to 1.7mm	50g	N241-0092
B1084	Copper Granules Pound Pack Reduced 0.1 to 0.5mm	454g	0240-0117
B1122	Copper Oxide Wires Fine Wires 4 x 0.5mm	250g	0240-1092
! B1161	EMADrone Magnesium Perchlorate	454g	0240-1119
! B1081	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	500g	0240-1119
B1146	Nickel/Chromium Oxide Granular 0.85 to 1.7mm	100g	N241-0166
B1033	Nickel/Chromium Oxide Granular 0.85 to 1.7mm	25g	
B1147	Nickel/Chromium Oxide Granular 0.85 to 1.7mm	500g	
B1252	Quartz Wool Discs 22mm Diameter	25	
B1351	Silica (Quartz) Wool Fine	10g	
B1350	Silica (Quartz) Wool Fine	50g	
B1208	Silica (Quartz) Wool Very Fine	10g	
B1276	Silica (Quartz) Wool Very Fine	15g	
B1102	Silica (Quartz) Wool Very Fine	50g	0240-1118
B1036	Silver Tungstate on Magnesium Oxide Granular 0.85 to 1.7mm	100g	0240-1344
B1145	Silver Tungstate on Magnesium Oxide Granular 0.85 to 1.7mm	500g	
B4015	Thermolite	100g	0240-0815



Copper Granules B1084

! These products are classified as dangerous for shipping.



Chromium Oxide Granular B1179

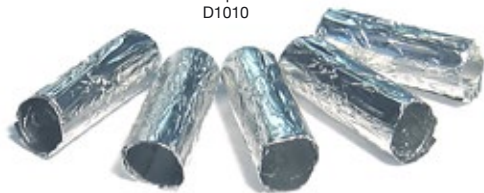


Copper Oxide Wires B1122

Capsules Nitrogen/Protein analysis

Cat No	Description	Pack	Perkin Elmer part*
D1012	Tin Capsules Pressed Standard Weight 12 x 6mm	200	
D1010	Tin Capsules Pressed Standard Weight 12.5 x 5mm	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	N241-1363

Tin Capsules
D1010



Tin Capsules
D1012



Tin Foil Discs
D1066



Tin Capsules
D1017



Tin Capsules
D1008



Nitrogen/Protein analysis

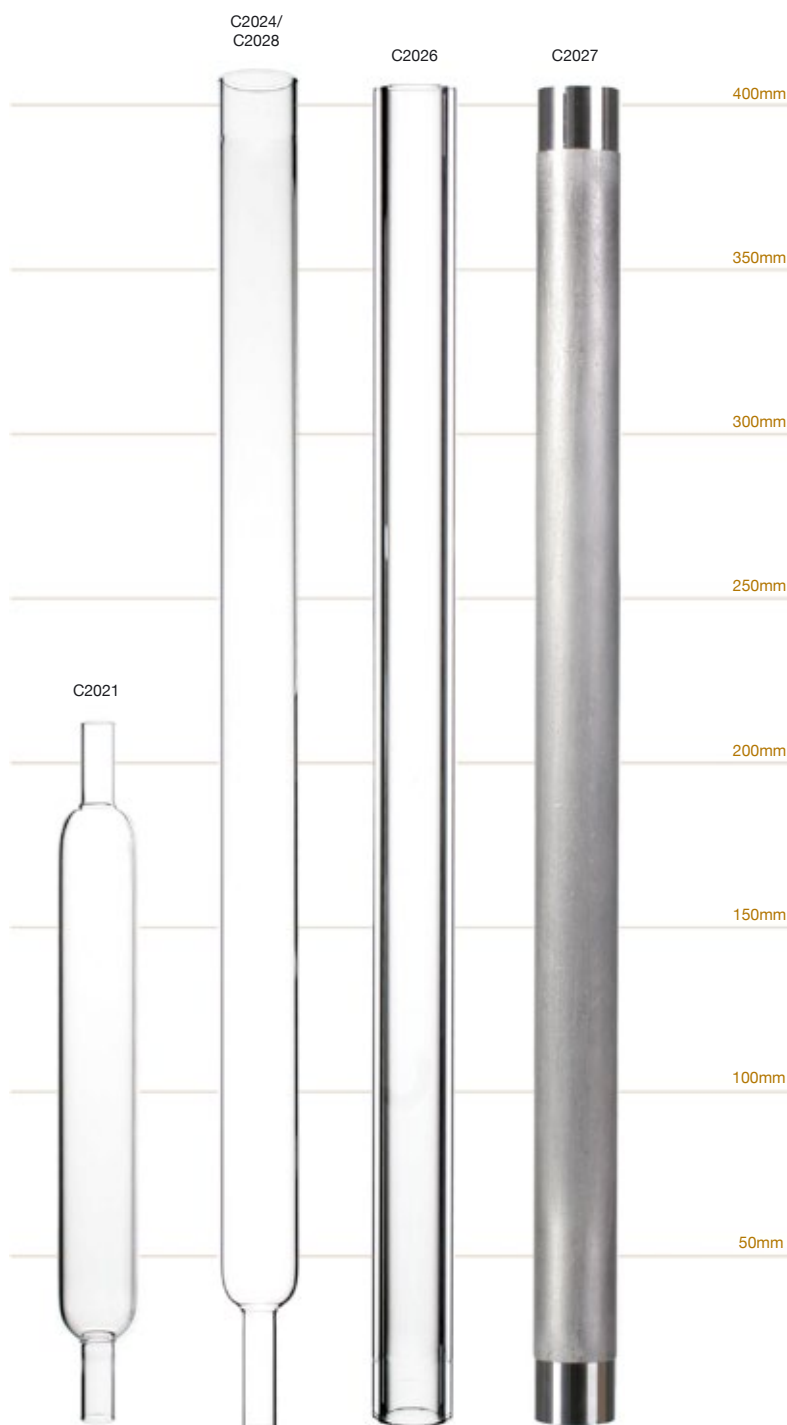
Quartz, Glassware & Furnace Tubes



Slitted Sleeve C2025

Cat No	Description	Pack	Perkin Elmer part*
C2026	Combustion Tube Nitrogen Analysis of Fertilisers	1	N241-1487
C2028	Combustion Tube for CHNS/N Transparent Silica 2400 Series	5	N241-0330
C2024	Combustion Tube for CHNS/N Transparent Silica 2400/2410 Series1		N241-1514
C2027	Combustion/Reduction Tube for Nitrogen Analysis Stainless Steel	1	N242-1070
C2021	Scrubber Tube Transparent Silica 2400 Series	1	N241-1359
C2025	Slitted Sleeve Transparent Silica 2400 Series	1	N241-1401

* **Perkin 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.



O-Rings & Seals

Nitrogen/Protein analysis

Cat No	Description	Pack	Perkin Elmer part*
E1009	O Ring Silicone Rubber	10	0990-2188
E1013	O Ring Viton Rubber	10	0240-1583



Other Operating Supplies

Nitrogen/Protein analysis

Cat No	Description	Pack	Perkin Elmer part*
E2019	Filter Discs 25mm	12	N2410237
E2011	Filter Discs Glass	12	0240-0137
E2016	Forceps Stainless Steel Curved Points	1	
E2101	Retrieving Wire	1	N241-1274
E2158	Silicone Grease	100g	
D6000	Vial Receptacle Nickel 2400 Series	1	N241-1335



Silicone Grease E2158

Retrieving Wire
E2101



Vial Receptacle Nickel
2400 Series
D6000



Filter Discs Glass
E2011

We support the following Nitrogen Protein analyser from Costech:

Costech Turbo N


Silica (Quartz) Wool B1017



Chromosorb B3015



Copper Wires B1016



Soda Lime Granular B1189

⚠ These products are classified as dangerous for shipping.

Nitrogen/Protein analysis
Chemical Supplies

Cat No	Description	Pack	Costech part*
⚠ B1236	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100g	021038 / 021020
⚠ B1237	Carbosorb Granular 1.4 to 2.8mm CO2 Absorbant	100g	021020
⚠ B3015	Chromosorb W 30-60 mesh Acid Washed	10g	
⚠ B3017	Chromosorb W 30-60 mesh Acid Washed	25g	021028
B1002	Copper Oxide Fine Wires 4 x 0.5mm	50g	
B1091	Copper Wires 3x100gm Pack Fine Wires Reduced 4 x 0.5mm	300g	011042
B1016	Copper Wires Coarse Wires Reduced 6 x 0.65mm	100g	011014 / 011012
B1046	Copper Wires Coarse Wires Reduced 6 x 0.65mm	50g	011004
B1015	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	011022
B1176	Copper Wires Fine Wires Reduced 4 x 0.5mm	500g	
B1301	HT Catalyst	100g	011053
B1302	LT Catalyst	50g	011052
⚠ B1101	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	100g	021022
B1047	Molecular Sieve 3A 1/16 pellets	100g	021023
B1271	Silica (Quartz) Chips Granular 0.85 to 1.7mm	100g	021025
B1351	Silica (Quartz) Wool Fine	10g	
B1350	Silica (Quartz) Wool Fine	50g	
B1208	Silica (Quartz) Wool Very Fine	10g	021035
B1017	Silica (Quartz) Wool Very Fine	5g	021026
B1211	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	100g	021030
B1189	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	200g	021037

Nitrogen/Protein analysis
Capsules, Boats & Crucibles


Smooth Wall Tin Capsules D4001

Cat No	Description	Pack	Costech part*
D4001	Smooth Wall Tin Capsules Flat Base 6 x 3mm	100	041062
D4035	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	100	041065
D1002	Tin Capsules Pressed Standard Weight 5 x 3.5mm	500	041074
D1004	Tin Capsules Pressed Standard Weight 5.25 x 3.2mm	250	041073
D1009	Tin Capsules Pressed Standard Weight 8 x 5mm	100	041061
D1003	Tin Capsules Pressed, Standard Weight 5 x 3.5	100	041060
D9001	Tin Foil Cones Standard Weight	100	
D5055	Tin Weighing Pans Pressed Standard Weight 10 x 10mm	100	041068



Tin Foil Cones D9001



Tin Weighing Pans D5055



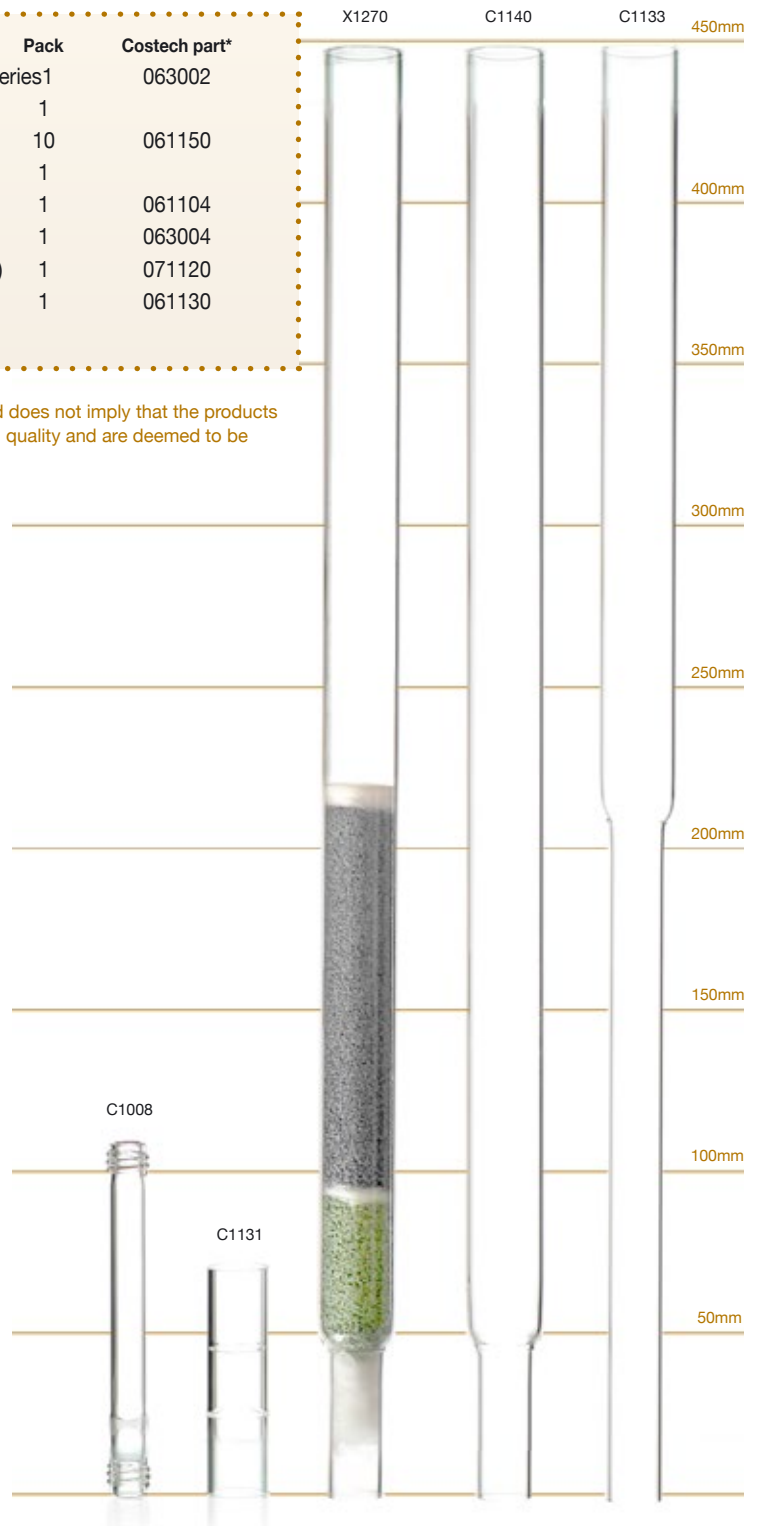
Tin Capsules

Quartz, Glassware & Furnace Tubes

Nitrogen/Protein analysis

Cat No	Description	Pack	Costech part*
C2024	Combustion Tube for CHNS/N Transparent Silica 2400/2410 Series1		063002
C1133	Combustion tube for Sediment C/N Turbo N (Costech 4010)	1	
C1141	Porous Ceramic Ash Insert	10	061150
C1140	Quartz Reaction tube	1	
C1022	Reaction Tube Transparent Silica	1	061104
C2021	Scrubber Tube Transparent Silica 2400 Series	1	063004
C1008	Scrubber Tube Water Threaded Borosilicate Glass (Glass Only)	1	071120
C1131	Turbo N/Dumatherm Quartz Insert	1	061130

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



Consumable Kits & Prepacked Tubes

Nitrogen/Protein analysis

Cat No	Description	Pack	Costech part*
X1270	Prepacked Reaction Tube Dumatherm / Costech	1	
X1271	Prepacked ReductionTube Dumatherm / Costech	1	

Nitrogen/Protein analysis

O-Rings & Seals

Cat No	Description	Pack	Costech part*
E1021	O Ring Schott Type Silicone/PTFE	10	071125
E1362	O-ring for autosampler	1	41.21.007
E1041	Seals for bottom of quartz tube	1	061106
E1003	Seals, bottom connector	1	061140
E1361	Seals, top of reaction tubes	1	061136 / 071122



Nitrogen/Protein analysis

Other Operating Supplies



Cap Kit for Threaded Joints Caps
C1020

Cat No	Description	Pack	Costech part*
F4506	Aluminium Ferrule 2mm	10	080002
E4404	Blue Flexible Tubing Polyurethane 5x3mm	3m	080012
C1020	Cap Kit for Threaded Joints Caps PTFE Backed Silicone Seals	2	071123
F2401	Cooling Fan 120mm 240VAC 18W	1	099005
E2016	Forceps Stainless Steel Curved Points	1	080006
F2176	Solenoid Valve 4W	1	099015
F5103	Spatula	1	080005
F5104	Spatula (Left Handed)	1	080005L
F4523	Tubing Nuts 2mm	10	080001



Spatula F5104

Spatula F5103



Aluminium Ferrule 2mm F4506

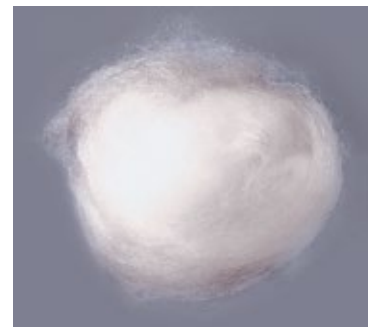
Chemical Supplies

Nitrogen/Protein analysis

We support the following Nitrogen Protein analyser from Gerhardt: **Gerhardt Dumatherm**

Cat No	Description	Pack	Gerhardt part*
⚠ B3015	Chromosorb W 30-60 mesh Acid Washed	10g	7724
B1002	Copper Oxide Fine Wires 4 x 0.5mm	50g	7730
B1015	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	7710
B1176	Copper Wires Fine Wires Reduced 4 x 0.5mm	500g	7710 / 14-0007
B1301	HT Catalyst	100g	7711 / 14-0011
B1302	LT Catalyst	50g	7714 / 14-0014
⚠ B1101	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	100g	7713
B1351	Silica (Quartz) Wool Fine	10g	
B1350	Silica (Quartz) Wool Fine	50g	
B1208	Silica (Quartz) Wool Very Fine	10g	7712 / 14-0012
B1102	Silica (Quartz) Wool Very Fine	50g	

⚠ These products are classified as dangerous for shipping.



Silica (Quartz) Wool, Very Fine
B1208



Magnesium Perchlorate Granular
B1101



LT Catalyst
B1302

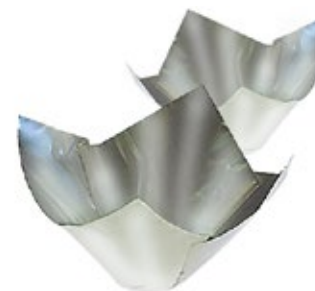


Copper Wires
B1015

Capsules, Boats & Crucibles

Nitrogen/Protein analysis

Cat No	Description	Pack	Gerhardt part*
D1104	Tin Capsules Pressed Standard Weight 5.25 x 3.2mm	250	7717
D9001	Tin Foil Cones Standard Weight	100	7718 / 14-0017
D9010	Tin Foil Cones Standard Weight	1500	
D5055	Tin Weighing Pans Pressed Standard Weight 10 x 10mm	100	
D5216	Tin Weighing Pans Pressed Ultra-Light Weight 10 x 10mm	100	14-0016



Tin Foil Cones D9001



Tin Weighing Pans D5055

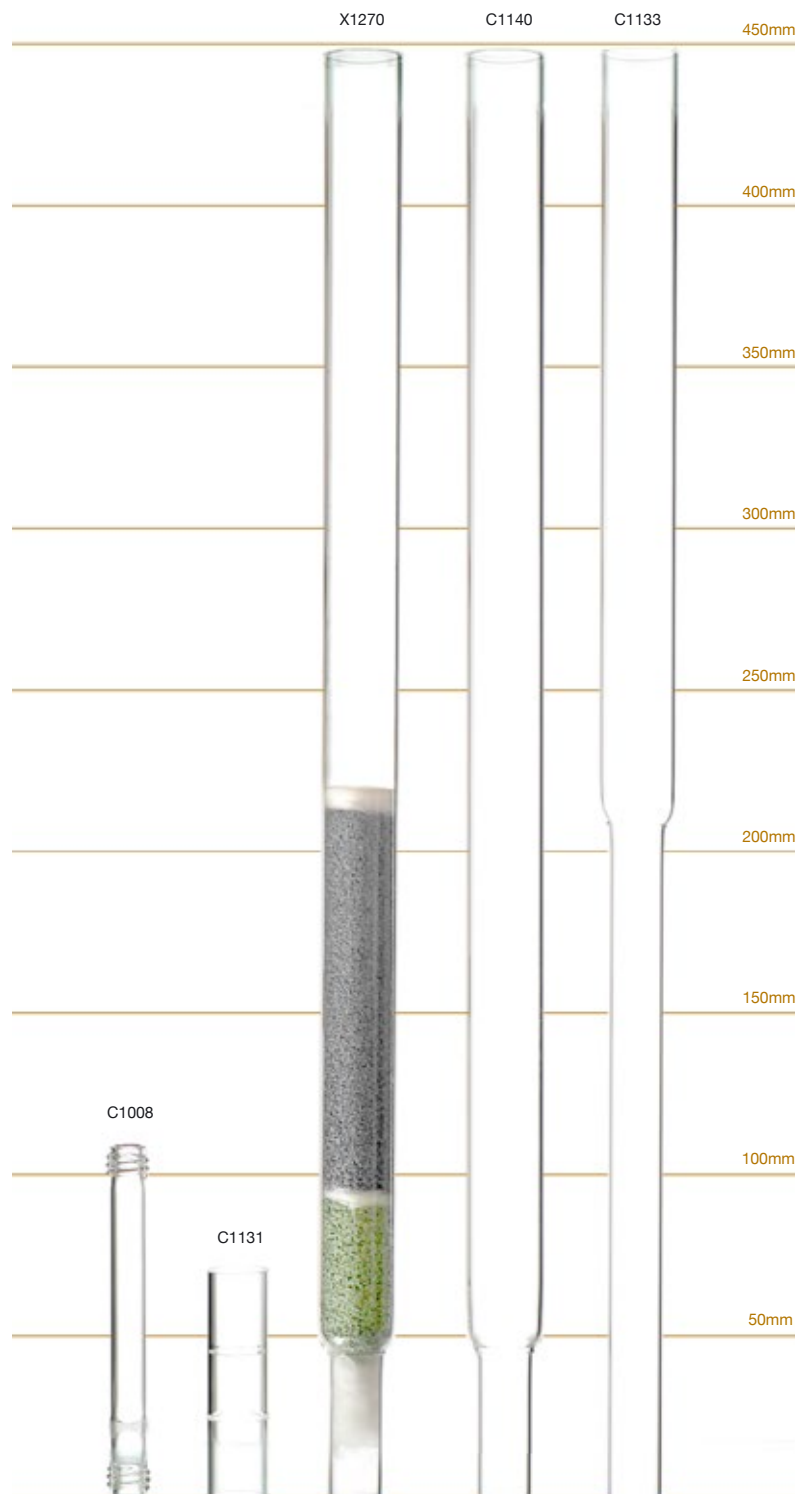
Nitrogen/Protein analysis

Quartz, Glassware, Furnace & Prepacked Tubes



Scrubber Tube
C1008

Cat No	Description	Pack	Gerhardt part*
C1133	Combustion tube for Sediment C/N Turbo N (Costech 4010)	1	
C1141	Porous Ceramic Ash Insert	10	14-0029
C1140	Quartz Reaction tube	1	7719 / 14-0018
C1008	Scrubber Tube Water Threaded Borosilicate Glass (Glass Only)	1	
C1131	Turbo N/Dumatherm Quartz Insert	1	7725
X1270	Prepacked Reaction Tube Dumatherm	1	7726 / 14-0024
X1271	Prepacked ReductionTube Dumatherm	1	



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

O-Rings & Seals

Nitrogen/Protein analysis

Cat No	Description	Pack	Gerhardt part*
E1021	O Ring Schott Type Silicone/PTFE	10	
E1362	O-ring for autosampler	1	
E1041	Seals for bottom of quartz tube	1	
E1003	Seals, bottom connector	1	7720
E1361	Seals, top of reaction tubes	1	7721



Other Operating Supplies

Nitrogen/Protein analysis

Cat No	Description	Pack	Gerhardt part*
C1020	Cap Kit for Threaded Joints Caps PTFE Backed Silicone Seals	2	
E2016	Forceps Stainless Steel Curved Points	1	14-0072



Nitrogen/Protein analysis
Chemical Supplies

We support the following Nitrogen Protein analyser from Velp:

Velp NDA 701 Dumas Nitrogen Analyser



Chromosorb
B3015

Cat No	Description	Pack	Velp part*
⚠ B3015	Chromosorb W 30-60 mesh Acid Washed	10g	A00000148
B1122	Copper Oxide Wires Fine Wires 4 x 0.5mm	250g	A00000157
B1091M	Copper Wires Coarse Wires Reduced 6 x 0.65mm	300g	A00000155
B1301	HT Catalyst	100g	A00000159
B1302	LT Catalyst	50g	A00000160
⚠ B1197	Sicapent	500g	A00000171
B1351	Silica (Quartz) Wool Fine	10g	
B1350	Silica (Quartz) Wool Fine	50g	
B1102	Silica (Quartz) Wool Very Fine	50g	A00000154

⚠ These products are classified as dangerous for shipping.



HT Catalyst B1301

Nitrogen/Protein analysis
Capsules, Boats & Crucibles


Tin Foil Cones D9001

Cat No	Description	Pack	Velp part*
D9001	Tin Foil Cones Standard Weight	100	A00000153

Nitrogen/Protein analysis
Other Operating Supplies


Silicone Grease E2158

Cat No	Description	Pack	Velp part*
E2016	Forceps Stainless Steel Curved Points	1	
E2158	Silicone Grease	100g	A00000236

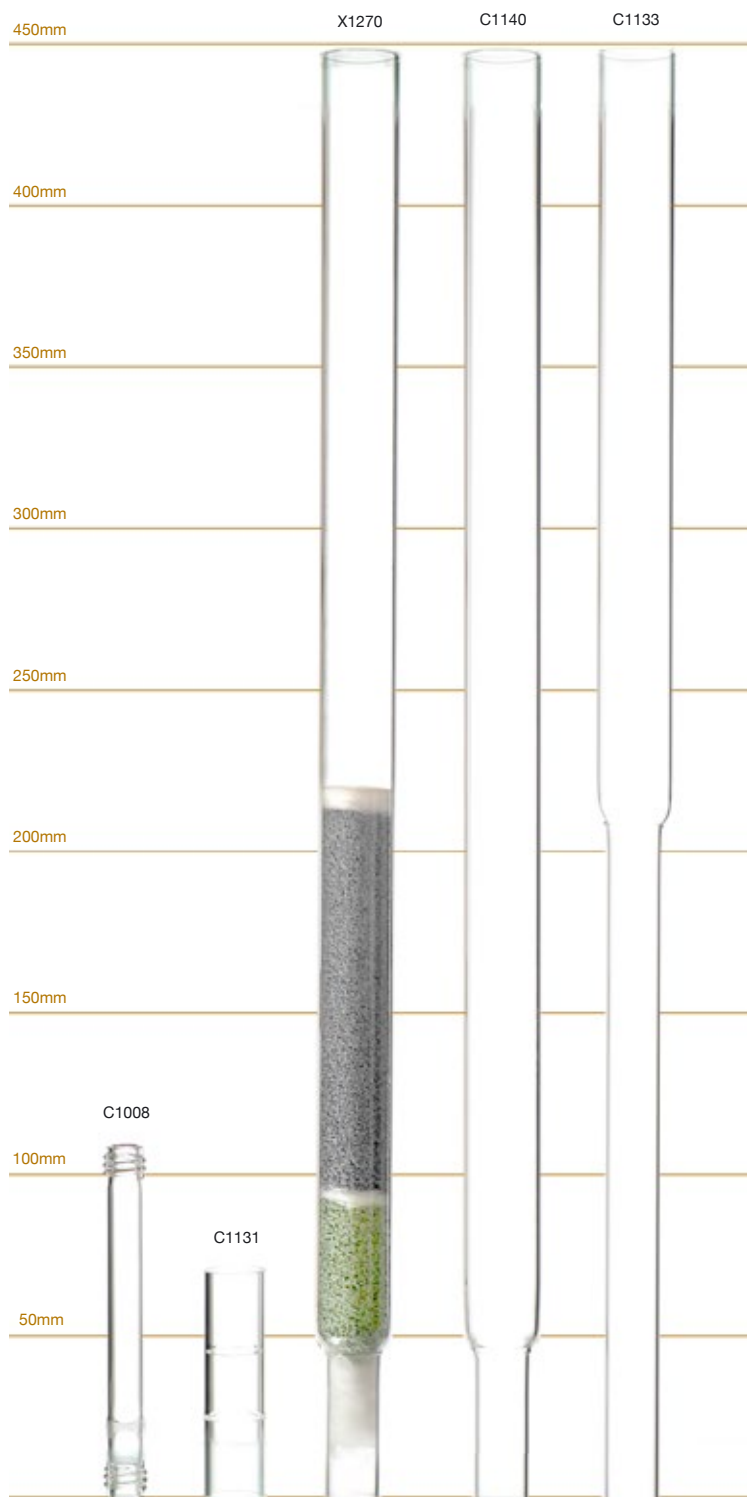
Quartz, Glassware, Furnace & Prepacked Tubes

Nitrogen/Protein analysis

Cat No	Description	Pack	Velp part*
C1133	Combustion tube for Sediment C/N Turbo N (Costech 4010)	1	
C1141	Porous Ceramic Ash Insert	10	
C1140	Quartz Reaction tube	1	A00000162
C1008	Scrubber Tube Water Threaded Borosilicate Glass (Glass Only)	1	
C1131	Turbo N/Dumatherm/ VELP Quartz Insert	1	A00000161
X1270	Prepacked Reaction Tube Dumatherm	1	A00000158
X1271	Prepacked ReductionTube Dumatherm	1	A00000226



Scrubber Tube
C1008



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

Nitrogen/Protein analysis

Reference Materials

Cat. No.	Description	Pack	%C	%H	%N	%S	%O
B2044	2,5-(Bis(5-tert-butyl-2-benzo-oxazol-2-yl) thiophene (BBOT)	1g	72.52	6.09	6.51	7.44	7.43
B2000	Acetanilide	1g	71.09	6.71	10.36		11.84
B2114	Acetanilide	5g	71.09	6.71	10.36		11.84
B2273	Alfalfa	30g			3.01	0.27	
B2164	Algae (Bladderwrack)	30g	33.67	4.92	1.25	2.289	
B2162	Algae (Spirulina)	30g	45.17	6.63	9.98	0.67	
B2138	Aspartic Acid	100g	36.09	5.3	10.5		
B2139	Aspartic Acid	10g	36.09	5.3	10.52		
! B2006	Atropine	10g	70.56	8.01	4.84		16.59
! B2002	Atropine	1g	70.56	8.01	4.84		16.59
B2277	Barley Flour	30g	43.51	6	1.9	0.14	
B2004	Benzoic Acid	1g	68.85	4.95			26.2
B2047	Benzoic Acid	5g	68.85	4.95			26.2
! B2007	Benzylthiuronium Chloride	1g	47.4	5.47	13.82	15.82	
B2166	Birch leaf	30g	48.09	6.55	2.12	0.172	
B2272	Corn Gluten	30g	45.27	5.98	10.38	0.85	
B2270	Corn Meal	30g	39.6	5.55	1.65	0.14	
B2005	Cyclohexanone 2,4-dinitrophenylhydrazone	1g	51.79	5.07	20.14		23
B2035	Cystine	1g	29.99	5.03	11.66	26.69	26.63
B2105	Cystine	5g	29.99	5.03	11.66	26.69	26.63
! B2039	Diphenyl	1g	93.46	6.54			
B2116	Ethylenediaminetetra-acetic Acid (EDTA)	100g	41.09	5.52	9.59		43.79
B2120	Ethylenediaminetetra-acetic Acid (EDTA)	25g	41.09	5.52	9.59		43.79
B2115	Ethylenediaminetetra-acetic Acid (EDTA)	50g	41.09	5.52	9.59		43.79
B2137	Ethylenediaminetetra-acetic Acid (EDTA)	100g	41.09	5.52	9.59		
B2144	Ethylenediaminetetra-acetic Acid (EDTA)	500g	41.09	5.52	9.59		43.79
B1405	Glutamic acid	250g	40.71	6.01	9.52		
B2150	High Organic Content Sediment	30g	7.17		0.57	0.85	
! B2040	Imidazole	1g	52.93	5.92	14.15		
B2041	Isatin	1g	65.3	3.43	9.52		21.75
B2152	Low Organic Content Soil	30g	1.61		0.133	0.014	
B2178	Medium Organic Content Soil	30g	3.19		0.27		0.043
B2100	Methionine	25g	40.25	7.43	9.39	21.49	21.44
B2133	Nitrogen Standards Kit						
	Methionine Atropine Nicotinamide Acetanilide	4 x 0.5g					
B2276	Oatmeal	30g	41.59	5.85	1.9	0.16	
B2170	Olive stone	30g	47.06	6.35	0.204		
B2141	Orchard Leaves	20g	50.4	6.22	2.28	0.156	
B2149	Pasta	100g			2.227		
B2140	Pasta Standard	10g			2.227		
B2148	Phenylalanine	25g	65.44	6.71	8.48		19.37
B2154	Protein Standard OAS	30g			13.32		
B2278	Rice Flour	30g	40.9	5.75	1.38	0.12	
B2275	Rye Flour	30g	39.5	5.5	1.75	0.13	
B2158	Sorghum Flour	30g	41.26		1.47	0.095	
B2271	Soy Bean Meal	30g			7.55	0.38	
B2121	Sucrose	25g	42.1	6.48			51.41
B2048	Sulphanilamide	10g	41.85	4.68	16.26	18.62	18.58
B2036	Sulphanilamide	1g	41.85	4.68	16.26	18.62	18.58
B2142	Tryptophan	100g			13.72		
B2130	Urea	10g	20	6.71	46.64		26.64
B2274	Wheat Flour	30g	38.86	5.45	1.81	0.13	
B2156	Wheat Flour	30g	39.38		1.36	0.092	

! These products are classified as dangerous for shipping.

Cross References

Nitrogen/Protein analysis

Leco® Part	Description	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	1ft	E2161
190-055	Screw S/Steel 6-32 x 0.44 Philips Pan Head	1	E2162
190-095	Screws for Sample Drop Plate	4	E2236
190-423	Screws For Lance Assembly	4	E2201
190-427	Screw Zinc Plate 6-32x0.25 Philips 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 Philips Pan Head	1	E2184
501-059	Smooth Wall Tin Capsules Round Base 18 x 5mm	100	D4003
501-062	Boat Puller Assembly	1	E2768
501-077	Iron Chip Accelerator	908g	B1195
501-081	Glass Wool Borosilicate Fibres	450g	B1166
501-081	Glass Wool Rope Borosilicate Fibres	454g	B1266
501-171-HAZ	EMADrone Magnesium Perchlorate	454g	B1161
501-171	EMADrone Magnesium Perchlorate	454g	B1161
501-241	Silicone Grease	100g	E2158
501-426	Combustion Aid for Solids	250g	B1185
501-427	Combustion Aid for Liquids	454g	B1186
501-571	Copper Capsules Part Round Base 6 X 18mm	100	D4100
501-609	Furnace Reagent	100g	B1191
502-295	Copper Turnings Fine Long Strands Reduced and Annealed	200g	B1107
502-258	Copper Turnings Fine Long Strands Reduced and Annealed	200g	B1107
501-621	Copper Turnings Fine Long Strands Reduced and Annealed	200g	B1107
501-636	Vanadium Pentoxide Accelerator	454g	B1187
502-023	Filling Funnel Borosilicate Glass	1	C4027
502-028	Forceps Stainless Steel Straight Points	1	E2017
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	50g	B1061
502-167	Smooth Wall Tin Capsules Round Base 20 x 8mm	100	D4009
502-174-HAZ	EMASorb A Granular 0.8 to 1.6mm 14 to 25 mesh	500g	B1162
502-174	EMASorb A Granular 0.8 to 1.6mm 14 to 25 mesh	500g	B1162
502-176	EMASorb B Granular 1.6 to 3mm 7 to 14 mesh	500g	B1164
502-314	Silica (Quartz) Wool Very Fine	50g	B1102
502-177	Silica (Quartz) Wool Very Fine	50g	B1102
502-186-200	Tin Foil Cones Standard Weight	100	D9001
502-186	Tin Foil Cones Standard Weight	100	D9001
502-186-100	Tin Foil Cones Standard Weight	1500	D9010
502-187	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	100	D4035
502-188	Aluminium Oxide Pellets	200g	B1163
502-304	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	B1015M
502-189	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	B1015M
502-210	Cellulosic Tubes (Sampling Tubes)	500	E2203
502-213	Snoop Leak Detection Fluid	236ml	E2039
502-304-500	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454g	B1083M
502-310	Iron Wool Grade #2	500g	B1165
502-321	Combustion Catalyst	250g	B1184
502-338	Cel Capsules Small	400	D9004
502-343	Ceramic Boat Liner Nickel 50 x 15 x 8mm	100	D5300
502-351	Halogen Scrubber	50g	B1269
502-359	Magnesium Oxide Beads	200g	B1190
502-382	Cel Capsules Medium	400	D9005
502-397	Large Tin Foil Cones Standard Weight	100	D9002
502-397-400	Large Tin Foil Cones Standard Weight	400	D9003
502-445-HAZ	Consumable Kit 1000 Analysis for TruEssential (Small Tin Foils)	1	X5151
502-621-HAZ	Consumable Kit 5000 Analysis for Truspec (Small Tin Foils)	1	X5150

Nitrogen/Protein analysis
Cross References

Leco® Part	Description	Pack	Cat. No.
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	1ft	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
601-397	Shim Combustion Tube	1	E2372
601-437	Catalyst Heater Tube Transparent Silica	1	C4023
601-438-110	Combustion Tube Transparent Silica Style 1	1	C4022
601-438	Combustion Tube Transparent Silica Style 1	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	1	C4030
601-483	Printer Paper American Letter 8.5 x 11	600	E2152
601-484	Printer Ribbon	1	E2153
601-504	O Ring Sample Drop Block	1	E1103
601-506	Combustion Tube Transparent Silica	1	C4021
601-508	Combustion Tube Transparent Silica Style 2	1	C4045
601-684	O Ring	1	E1344
601-691	Pinch Valve Tubing	1ft	E2150
601-862-110	Furnace Assembly	1	E2774
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 Without O Rings	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
602-803	O Ring	1	E1349
603-350	O-Ring Installation Tube	1	E2464
604-326	Sample Drop Plate Aluminium	1	E2231
604-378	Forceps Stainless Steel Curved Points	1	E2016
604-392	Quick Coupling 1/16 Male Bulkhead with valve	1	E2168
604-393	Quick Coupling 1/16 Female Bulkhead clip w/o valve	1	E2176
604-394	Quick Coupling 1/16 Female Bulkhead w/o valve & clip	1	E2177
604-488	O Ring Loader Head	1	E1104
605-828	O Ring Combustion/Catalyst/Filter Tube	1	E1105
606-224	Thermocouple	1	E2205
613-563	Braided Cable (short strap)	1	E2772
606-286	Braided Cable (short strap)	1	E2772
606-308	Ceramic Stop	1	C4040
606-309	Outer Combustion Tube Ceramic	1	C4041
611-477	O Ring Outer Combustion Tube	1	E1120
606-310	O Ring Outer Combustion Tube	1	E1120
611-476	O Ring Inner Combustion Tube	1	E1119
608-378	O Ring Inner Combustion Tube	1	E1119
606-312	O Ring Inner Combustion Tube	1	E1119
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

Cross References

Nitrogen/Protein analysis

Leco® Part	Description	Pack	Cat. No.
606-333	O Ring Combustion System	1	E1117
606-340	Lance Tube Drilled	1	C4044
606-601	Heating Elements	4	E2206
608-379	Silica (Quartz) Wool Strips	10	B1192
609-107	Particle Filter with Drain	1	E2157
609-114	O Ring Combustion Tube	1	E1108
609-116-110	Combustion Tube Transparent Silica	1	C4035
609-116	Combustion Tube Transparent Silica	1	C4035
609-128	Lance Assembly Complete	1	E2239
609-129	Oxygen Lance Transparent Silica	1	C4047
609-271	Radial shaft seal autoloader	1	E1134
611-431	O Ring Combustion System	1	E1118
614-961-110	Porous Crucible	10	C4065
614-961	Porous Crucible	10	C4065
614-962	Oxygen Lance Short (lance length 4.75)	1	C4066
614-963	Lance Assembly Complete	1	E2498
616-108	Combustion Tube	1	C4057
616-138	O-Ring Combustion Tube	1	E1140
616-146	Oxygen Lance Long (Lance length 5.25)	1	C4051
616-147	Lance Assembly Complete	1	E2199
616-504	Particle Filter	1	E2369
616-540	Dosing Valve Stem	1	E2499
616-548	Fan	1	E2745
616-632	Lance Tube Drilled	1	C4056
617-136	O Ring	1	E1345
617-441	Mesh screen filter	1	E2379
617-548	Reagent Tube	1	C4332
619-065	Combustion Tube Truspec	1	C4338
619-139	O Ring	1	E1358
619-154	Reduction Tube Truspec	1	C4339
619-192	O Ring	1	E1359
619-268	Tube TruSpec	1	C4341
625-601-554	Combustion tube outer	1	C4230
625-601-555	Combustion tube inner	1	C4231
625-602-470	C-Flex Tubing Repl Kit	1	E2794
625-602-172	C-Flex Tubing Repl Kit	1	E2794
625-602-187	Ceramic lance tube 4 hole 291.5MM for TruMac	1	C4070
702-557	O ring	1	E1360
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	227g	B1167
763-265	Glass Wool Rope Borosilicate Fibres	227g	B1267
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	200g	B1526
769-610	F/Cl Trap Material	225g	B1527
771-030	Bubble/Filter/Reagent Tube Borosilicate Glass	5	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	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
773-141	O Ring Reagent Tube	1	E1113

Nitrogen/Protein analysis
Cross References

Leco® Part	Description	Pack	Cat. No.
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	1ft	E2169
771-040 / 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
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	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 (length 115 x diameter 78 x Internal diameter 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	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.

Thermo Part	Description	Pack	Cat. No.
35040403	Tubing Nuts 2mm	10	F4523
1121370	Tubing Nuts 2mm	10	F4523
1142960	Kit 1000 analyses NC Flash1112	1	X3211
24005300	Tin Capsules Pressed, Standard Weight 5 x 3.5	100	D1003
1144320	Tin Capsules Pressed, Standard Weight 5 x 3.5	100	D1003
19002406	Consumable Kit 1000 Analysis NA2000 Nitrogen	1	X1011
19002413	Consumable Kit 1000 Analyses N Org EA112	1	X1097
19002440	Consumable Kit 1000 Analysis for Flash 4000	1	X1089
19002450	Consumable Kit 5000 Analysis for Flash 4000	1	X1090
19004143	Consumable Kit 1000 Analyses Kit For NA2000	1	X1098
19004151	Consumable Kit 1000 Analyses NA2000 With SS Tube	1	X1099
19004155	Consumable Kit 1000 analysis NC 2100 Soil	1	X1100
19004157	Cone Replacement Kit	1	F2201
20500500	Forceps Stainless Steel Curved Points	1	E2016
20500505	Forceps Stainless Steel Straight Points	1	E2017
20500620	Large Spatula For NA2000	1	F510
20500521	Large Spatula For NA2000	1	F5108
20500600	Spatula	1	F5103
20500600	Spatula (Left Handed)	1	F5104
20500625	Cleaning Tool	1	F5113
20500626	Extractor for HPAR reactor	1	F5106
20500627	Extractor for crucible	1	F5107
20500628	Tool For Lower Fitting EA	1	F5164
20500629	Extractor for Crucible Flash 4000	1	F5105
20501610	32A Wrench	1	F5165
24006400	Tin Capsules Pressed Standard Weight 8 x 5mm	100	D1009

Cross References

Nitrogen/Protein analysis

Thermo Part	Description	Pack	Cat. No.
24007200	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	100	D4035
24008810	Smooth Wall Tin Capsules Flat Base 6 x 3mm	100	D4001
24008820	Smooth Wall Tin Capsules Flat Base 4.5 x 2	100	D4019
24010049	Cell Well 12 Flat Bottom	1	E2065
25205000	Metal Swarf Crucible NA2000/2100	1	D6005
25205010	Stainless Steel Crucible Flash EA 1112	1	D6050
25205011	High Performance Inconel Reactor Crucible Flash EA1112	1	F5153
25208000	Tin Weighing Pans Pressed Standard Weight 10 x 10mm	100	D5055
25208015	Tin Foil Discs Standard Weight 30mm diameter	100	D1066
25208018	Tin Foil Discs 35mm	100	D1078
25208019	Tin Foil Discs 62mm	100	D1079
25208021	Tin Foil Discs Standard Weight 85mm diameter	100	D1077
25209010	Sealing Device	1	F5112
26007820	Separation Column Nitrogen 0.5m	1	E3022
26070004	Separation Column Nitrogen	1	E3005
27204505	CERAMIC DISK 28 MM (SET OF 20)	20	E6100
28113060	Water/Carbon Dioxide Scrubber	1	E2040
28113064	Large Adsorbtion trap Co2 Without Fast Connectors	1	F5162
28113106	Water/Carbon Dioxide Scrubber	1	E2047
29000057	Silicone Grease	100g	E2158
29002195	MAS 200R Autosampler Piston O-Ring	1	E6055
29003195	Upper Seal AS128 PTFE Between Sample Tray & Cone Body	1	F6112
29010082	O Ring Viton Rubber	2	E1059
29010386	Viton O-ring for reactor	5	E6057
29010684	Silicon O-ring for crucible	5	E6056
29020649	Bottom O-Ring For Alloy Reactor Flash EA1112	5	E6051
29020682	Top O-Ring For Alloy Reactor Flash EA1112	5	E6050
29022910	Seal Viton Rubber Chamfered Square Profile	5	E1041
29034045	Aluminium Ferrule 2mm	10	F4506
29034545	Sleeve PTFE OD2	10	F4541
33801801	Molecular Sieve 3A 1/16 pellets	100g	B1047
33821900	Magnesium Perchlorate (Flakes)	25g	B1274
33822000	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	25g	B1018
33822200	Silica (Quartz) Wool Very Fine	5g	B1017
33822205	Silica (Quartz) Wool Very Fine	15g	B1276
33822300	Silica (Quartz) Chips Granular 0.85 to 1.7mm	50g	B1008
33835230	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	200g	B1189
33835235	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	100g	B1211
33835300	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	B1015
33835300	Copper Wires Coarse Wires Reduced 6 x 0.65mm	100g	B1016
33835305	Flash 4000 High Quality Copper	220g	B1279
33835312	Copper Wires Coarse Wires Reduced 6 x 0.65mm	50g	B1046
33837530	Chromosorb W 30-60 mesh Acid Washed	25g	B3017
33839055	Pt 0.5% on Alumina pellets	100g	B1247
33840000	Oxidation Catalyst NA2000/NA2100 Copper Oxide/Platinised Alumina	100g	B1103
34709518	Tube Coupling 18 to 2mm Lower Reaction	1	F4510
35008455	End Fitting Adsorbtion Trap Connection	1	F5163
35450010	Furnace Core 1500/1108/1110/2000/2500 w/o thermocouple	1	E2138
35460022	Replacement furnace Flash EA with 18mm and 25mm adaptors	1	E4410
35460021	Replacement furnace Flash EA with 18mm and 25mm adaptors	1	E4410
35460018	Replacement furnace Flash EA with 18mm and 25mm adaptors	1	E4410
40320000	Thermocouple	1	F2153
40519015	Solenoid Valve 4W	1	F2176
40600300	Cooling Fan 120mm 240VAC 18W	1	F2401
42001600	Tubing PTFE 4x2mm	1m	E2211
42001601	Tubing PTFE 4x2mm	5m	E2213
42001700	PTFE Tube 6mm x 4mm	1m	E2115

Nitrogen/Protein analysis
Cross References

Thermo Part	Description	Pack	Cat. No.
42010000	Blue Flexible Tubing Polyurethane 5x3mm	3m	E4404
46800650	Prepacked Reduction Tube Translucent Silica	1	X1014
46800650	Prepacked Reduction Tube 1500(2) 2500 Transparent Silica	1	X1048
46800660	Prepacked Reactor Tube NA2000/2100 Translucent Silica	1	X1013
46802008	Prepacked Oxidation High Performance Alloy Reactor	1	X1150
46820000	Reaction Tube Translucent Silica	1	C1023
46820001	Reaction Tube Heavy Wall Transparent Silica	1	C1078
46820040	Liquid Injection Reaction Tube Translucent Silica	1	C1046
46820050	Reaction Tube Stainless Steel	1	E2159
46820060	Reaction Tube Transparent Silica	1	C1022
46820075	High Performance Alloy Reactor Flash EA1112	1	F5150

* **Thermo Part:** The use of Thermo part numbers is intended for convenience only, and does not imply that the products are of Thermo origin.

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Pack	Cat. No.	Thermo Part	Description
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Elementar Part	Description	Pack	Cat. No.
03 001 248	Forceps Stainless Steel Curved Points	1	E2016
03 002 252	O Ring Silicone Rubber	1	E1089
03 002 253/4	Reduction Tube Quartz Rapid N	1	C3034
03 002 262	Platinum Catalyst 5% Pt	30g	B1196
03 002 395	O Ring for gripper arm	1	E1171
03 002 399	Filter Diameter 18mm	1	E1174
03 002 607	Shaft Seal	1	E1555
03 002 849	Post Combustion Tube Rapid N	1	C3033
03 654 627	O Ring Viton Rubber	1	E1073
03 654 629	O Ring Silicone Rubber	1	E1066
03 679 900	EMASorb A Granular 0.8 to 1.6mm 14 to 25 mesh	500g	B1162
03 679 901	EMADrone Magnesium Perchlorate	454g	B1161
03 679 907	Silica (Quartz) Chips Granular 1 to 2mm	100g	B1214
03 679 908	Silica (Quartz) Wool Very Fine	10g	B1208
03 679 915	Cerium Dioxide Granular	100g	B1219
03 951 619	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	250	D4132
03 951 620	Smooth Wall Tin Capsules Flat Base 6 x 3mm	250	D4131
03 960 352	Sicapent 03960352 (2.8L)	500g	B1197
03 968 006	Vacuum Grease	100g	E2240
05 000 044	Cap GL 18	1	E2518
05 000 046	Cap GL25	1	E2519
05 000 049	GL14 screw cap	1	E2517
05 000 086	Alumina (Aluminium Oxide) Wool Fine	20g	B1089
05 000 087	Ash Finger Ceramic Rapid N	1	C3030
05 000 088	Oxygen Lance 140mm	1	C3011
05 000 092	O Ring Kalrez	1	E1061
05 000 094	Gloves	Pair	E2505
05 000 095	O Ring Viton Rubber	1	E1074
05 000 096	O Ring Viton Rubber	1	E1072
05 000 247	Seal Viton Rubber	1	E1050
05 000 248	O Ring Silicone Rubber	1	E1083
05 000 311	Smooth Wall Tin Capsules Round Base 20 x 8mm	100	D4009
05 000 316	Nitrogen Free Paper 12cm x 12cm	500	E2512
05 000 353	Quadring Viton Rubber	1	E1054
05 000 359	O Ring Viton Rubber	1	E1070
05 000 371	O Ring Viton Rubber	1	E1076
05 000 372	O Ring Viton Rubber	1	E1077
05 000 416	O Ring Viton Rubber	1	E1069
05 000 429	Tin Foil Cones Standard Weight	100	D9001
05 000 469	Cerium Dioxide Fused Granular	100g	B1270
05 000 699	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	B1015M

Cross References

Nitrogen/Protein analysis

Elementar Part	Description	Pack	Cat. No.
05 000 880	Manganese Dioxide Sulphur Reduction in U-Tube	10g	B1204
05 000 900	Silica (Quartz) Chips Granular 2 to 4mm	50g	B1215
05 001 013	Rapid Caps	190	D1117
05 001 039	Copper Oxide Wires Fine Wires 4 x 0.5mm	250g	B1122
05 001 053	O-ring for Spring Flange	1	E1556
05 001 715	Cotton Wool	50g	E2516
11 001 172/4	Support Tube 65mm	1	C3017
11.00-1331/4	Connecting Tube Transparent Silica 65mm (Includes O-Rings)	1	C3022
11.02-0024	Tungsten (VI) Oxide Powder	90g	B4014
12 001 008	Crucible Tongs Rapid N	1	E2502
12 010 032	Tin Foil Squares Standard Weight 37 x 37mm	400	D1116
12.00-0040	Tungsten Granulated	470g	B1205
12.00-0040	Tungsten Granulated (Bulk)	2.5kg	B1210
12.00-1004/4	Wire Mesh Ronde 22mm	1	C3036
12.00-1005/4	Wire Mesh Ronde 18mm	1	C3035
12.00-1006/4	Combustion Tube Rapid N	1	C3032
12.00-1009	Tin Boats 9 x 10 x 20mm	120	D5033
12.00-1087/4	Ash Finger Stainless Steel	1	C3031
12.01-0033	Tin Foil Squares Standard Weight 50 x 50mm	500	D1118
12.01-0045	Tungsten Kit Complete 470gm of Tungsten+25 Stainless Gauzes	1	B1203
12.01-1008/4	Stainless Steel Gauze Spacers	25	E2250
12.01-1012/4	Tin Foil Squares Standard Weight 50 x 50mm	100	D1115
12.01-1013/4	Quartz Reduction Tube Tungsten System Rapid N	1	C3039
12.01-1036/4	Combustion Tube S/S	1	C3041
16.00-5013	Consumable Kit for approx 4000 analysis Rapid N Cube	1	X6001
22 131 365	Silver Wool 0.05mm Fine Wire	50g	B1231
22 137 418	Tin Boats 12 x 4 x 4mm	1000	D5130
22 137 419	Tin Boats 12 x 6 x 6mm	500	D5131
22 137 420	Tin Boats 8 x 8 x 15mm	250	D5032
22 160 200/4	Drying Guard Tube Borosilicate	1	C3008
22 160 301/4	Purification U Tube Vario-EL	1	C3015
22 160 301/4	U-Tube Rapid N Complete with Caps	1	C3037
25 00-1048	Post Combustion Tube	1	C3042
25.00-0017	Quartz Reduction/Tungsten Tube 29mm	1	C3040
25.00-0029	Gripper Arm With O Rings	1	E2515
25.00-1030	Combustion Tube	1	C3043
34 001 339/4	U-Tube Large Complete with GL18 Caps	1	C3038
50 008 467	Alumina (Aluminium Oxide) Spheres 3 to 6mm	40g	B1090

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Perkin Elmer Part	Description	Pack	Cat. No.
0240-0115	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100g	B1236
0240-0117	Copper Granules Pound Pack Reduced 0.1 to 0.5mm	454g	B1084
0240-0137	Filter Discs Glass	12	E2011
0240-0815	Thermolite	100g	B4015
0240-1092	Copper Oxide Wires Fine Wires 4 x 0.5mm	250g	B1122
0240-1118	Silica (Quartz) Wool Very Fine	50g	B1102
0240-1119	EMADrone Magnesium Perchlorate	454g	B1161
0240-1583	O Ring Viton Rubber	10	E1013
0990-2188	O Ring Silicone Rubber	10	E1009
N241-0237	Filter Discs 25mm	12	E2019
N241-0330	Combustion Tube for CHNS/N Transparent Silica 2400 Series	5	C2028
N241-1274	Retreiving Wire	1	E2101
N241-1335	Vial Receptacle Nickel 2400 Series	1	D6000
N241-1359	Scrubber Tube Transparent Silica 2400 Series	1	C2021
N241-1363	Tin Foil Discs Standard Weight 30mm diameter	100	D1066

Nitrogen/Protein analysis
Cross References

Perkin Elmer Part	Description	Pack	Cat. No.
N241-1401	Slitted Sleeve Transparent Silica 2400 Series	1	C2025
N241-1487	Combustion Tube Nitrogen Analysis of Fertilisers	1	C2026
N241-1514	Combustion Tube for CHNS/N Transparent Silica 2400/2410 Series	1	C2024
N242-1070	Combustion/Reduction Tube for Nitrogen Analysis Stainless Steel	1	C2027

* **Perkin 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.

Costech Part	Description	Pack	Cat. No.
11004	Copper Wires Coarse Wires Reduced 6 x 0.65mm	50g	B1046
011012	Copper Wires Coarse Wires Reduced 6 x 0.65mm	100g	B1016
011014	Copper Wires Coarse Wires Reduced 6 x 0.65mm	100g	B1016
011022	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	B1015
011042	Copper Wires 3x100gm Pack Fine Wires Reduced 4 x 0.5mm	300g	B1091
011052	LT Catalyst	50g	B1302
011053	HT Catalyst	100g	B1301
21020	Carbosorb Granular 1.4 to 2.8mm CO2 Absorbant	100g	B1237
021022	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	100g	B1101
21023	Molecular Sieve 3A 1/16 pellets	100g	B1047
021025	Silica (Quartz) Chips Granular 0.85 to 1.7mm	100g	B1271
021026	Silica (Quartz) Wool Very Fine	5g	B1017
21028	Chromosorb W 30-60 mesh Acid Washed	25g	B3017
021030	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	100g	B1211
021035	Silica (Quartz) Wool Very Fine	10g	B1208
021036	Silica (Quartz) Wool Very Fine	10g	B1208
21037	Soda Lime Granular 1 to 2.5mm Self-indicating CO2 Absorbant	200g	B1189
021020	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100g	B1236
21020	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100g	B1236
21038	Carbosorb Granular 0.7 to 1.2mm CO2 Absorbant	100g	B1236
041060	Tin Capsules Pressed, Standard Weight 5 x 3.5	100	D1003
041061	Tin Capsules Pressed Standard Weight 8 x 5mm	100	D1009
041062	Smooth Wall Tin Capsules Flat Base 6 x 3mm	100	D4001
041065	Smooth Wall Tin Capsules Flat Base 9 x 3.5mm	100	D4035
41068	Tin Weighing Pans Pressed Standard Weight 10 x 10mm	100	D5055
041073	Tin Weighing Pans Pressed Standard Weight 10 x 10mm	100	D5055
041074	Tin Capsules Pressed Standard Weight 5 x 3.5mm	500	D1002
061104	Reaction Tube Transparent Silica	1	C1022
061105	Reaction Tube Translucent Silica	1	C1023
061106	Seal Viton Rubber Chamfered Square Profile	5	E1041
061130	Turbo N/Dumatherm Quartz Insert	1	C1131
61150	Porous Ceramic Ash Insert	10	C1141
63002	Combustion Tube for CHNS/N Transparent Silica 2400/2410 Series	1	C2024
63004	Scrubber Tube Transparent Silica 2400 Series	1	C2021
061136	Seals, top of reaction tubes	1	E1361
071122	Seals, top of reaction tubes	1	E1361
080001	Tubing Nuts 2mm	10	F4523
080002	Aluminium Ferrule 2mm	10	F4506
080005	Spatula	1	F5103
080006	Forceps Stainless Steel Curved Points	1	E2016
080012	Blue Flexible Tubing Polyurethane 5x3mm	3m	E4404
91103	Furnace Core 1500/1108/1110/2000/2500 w/o thermocouple	1	E2138
99005	Cooling Fan 120mm 240VAC 18W	1	F2401
99015	Solenoid Valve 4W	1	F2176
080005L	Spatula (Left Handed)	1	F5104
41.21.007	O-ring for autosampler	1	E1362

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

Cross References

Nitrogen/Protein analysis

Gerhardt Part	Description	Pack	Cat. No.
7710	Copper Wires Fine Wires Reduced 4 x 0.5mm	100g	B1015
14-0011	HT Catalyst	100g	B1301
7711	HT Catalyst	100g	B1301
7712	Silica (Quartz) Wool Very Fine	10g	B1208
7713	Magnesium Perchlorate Granular 0.7 to 1.2mm H2O Absorbant	100g	B1101
14-0014	LT Catalyst	50g	B1302
7714	LT Catalyst	50g	B1302
14-0016	Tin Weighing Pans Pressed Standard Weight 10 x 10mm	100	D5055
7717	Tin Weighing Pans Pressed Standard Weight 10 x 10mm	100	D5055
14-0017	Tin Foil Cones Standard Weight	100	D9001
7718	Tin Foil Cones Standard Weight	100	D9001
14-0018	Quartz Reaction tube	1	C1140
7719	Quartz Reaction tube	1	C1140
7720	Seals Bottom Connector	1	E1003
7721	Seals, Top of Reaction Tubes	1	E1361
7724	Chromosorb W 30-60 mesh Acid Washed	10g	B3015
7725	Turbo N/Dumatherm Quartz Insert	1	C1131
14-0024	Prepacked Reaction Tube Dumatherm / Costech	1	X1270
7726	Prepacked Reaction Tube Dumatherm / Costech	1	X1270
7730	Copper Oxide Fine Wires 4 x 0.5mm	50g	B1002
14-0007	Copper Wires Fine Wires Reduced 4 x 0.5mm	500g	B1176
14-0012	Silica (Quartz) Wool Very Fine	50g	B1102
14-0016	Tin Weighing Pans Pressed Ultra-Light Weight 10 x 10mm	100	D5216
14-0029	Porous Ceramic Ash Insert	10	C1141
14-0029	Porous Ash Insert	10	C1141
14-0072	Forceps Stainless Steel Curved Points	1	E2016

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Velp Part	Description	Pack	Cat. No.
A00000148	Chromosorb W 30-60 mesh Acid Washed	10g	B3015
A00000149	Ethylenediaminetetra-acetic Acid (EDTA) OAS	100g	B2137
A00000153	Tin Foil Cones Standard Weight	100	D9001
A00000154	Silica (Quartz) Wool Very Fine	50g	B1102
A00000155	Copper Wires 3x100gm Pack Fine Wires Reduced 4 x 0.5mm	300g	B1091M
A00000157	Copper Oxide Wires Fine Wires 4 x 0.5mm	250g	B1122
A00000158	Prepacked Reaction Tube Dumatherm	1	X1270
A00000159	HT Catalyst	100g	B1301
A00000160	LT Catalyst	50g	B1302
A00000161	Turbo N/Dumatherm/ VELP Quartz Insert	1	C1131
A00000162	Quartz Reaction tube	1	C1140
A00000171	Sicapent 03960352 (2.8L)	500g	B1197
A00000226	Prepacked ReductionTube Dumatherm	1	X1271
A00000236	Silicone Grease	100g	E2158

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

LITERATURE REQUEST

Elemental Microanalysis supplies product sheets, tailored specifically to your analyser. These product sheets and our catalogues are available in printed or digital format. The latest editions of our Catalogues are also available to download from our website. www.microanalysis.co.uk

Inorganic Instruments *(Please Tick)*

Eltra CS800	
Eltra CS2000	
Eltra ON900	
Eltra OH900	
Horiba EMIA-320V2/920V2	
Horiba EMGA-8xx/9xx	
Horiba EMGA-821/921	
Horiba EMGA-620/621	
Horiba EMIA820V/320V/220V	
Leco WR112	
Leco CS125/255	
Leco CS200/C200/S200/WC200	
Leco CS244/344/IR212/232	
Leco CS300	
Leco CS400/C400/S400	
Leco CS444/IR412/432	
Leco CS600	
Leco RH402	
Leco RH404	
Leco DH102/103/RH101	
Leco TC136/336/TN114/RO416	
Leco TC300/RO300/TN300	
Leco RO478	
Leco TC436/TN414/RO416	
Leco TC500/600	
Leco TCH600	
Leco DH603	
Leco CS230	

Macro CHN/CNS Instruments

(Please Tick)

Elementar Vario Macro	
Elementar Vario Max N/CN	
Elementar Vario Max CHN/CNS	
Leco CNS/NS/CN2000	
Leco CHN1000/CNS1000	
Leco CHN2000	
Leco Truspec CHN/CN	
Leco CHN600/800	

Micro/CHN(OS) Instruments *(Please Tick)*

Costech ECS4010	
Elementar CHNRapid	
Elementar VarioEL	
Elementar Vario Micro Cube	
Elementar Pyro Cube	
Europa Roboprep/ANCA/Integra	
Eurovector EA-3028HT	
Eurovector EA3000	
Exeter CE240/440	
Hekatech HT-O	
Leco 900/932	
Leco Truspec Micro	
Perkin Elmer 2400	
Perkin Elmer 240ABC	
SerCon GSL/Integra	
Thermo EA1106CHNSO	
Thermo EA1108CHNSO	
Thermo EA1110CHNSO	
Thermo EA1112CHNSO/FLASH2000	
Thermo Flash 2000 IRMS	
Thermo Flash HT/HT Plus	
Thermo NA1500NCS2	
ThermoNA2500NCS	
Thermo TC/EA	

N/Protein Instruments *(Please Tick)*

Costech Turbo N	
Elementar RapidN	
Elementar Rapid N Cube	
Gerhardt Dumatherm	
Leco TruMac	
Leco FP2000	
Leco FP228	
Leco FP328	
Leco FP428	
Leco FP528	
Leco Truspec N	
Perkin Elmer 2410	
Thermo Flash 4000	
Thermo NA1112Protein/FLASH2000	
Thermo NA2000/2100	
Velp NDA 701 Dumas Nitrogen Analyser	

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Trace *(Please Tick)*

Antek 9000	
Antek 7000	
Dohrmann DN	
Dohrmann MCTS	
Dohrmann DC	
Dohrmann DX	
Elementar Vario TOC Cube	
Elementar LiquiTOC	
Shimadzu TOC	
Thermo Euroglas All Instruments	

Organic Carbon/Sulphur

Instruments *(Please Tick)*

Eltra CS-500	
Eltra Helios	
Leco SC632	
Leco TGA601	
Leco RC612	
Leco SC144	
Leco SC32/132/232/CR12	
Leco SC432/444/CR412	
Leco RC412	

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Catalogues *(Please Tick)*

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Organic Carbon / Sulphur	
Micro/CHN (OS)	
Macro CHN/CNS	
IRMS Supplement	
Capsules	
Laboratory Analysis Service	

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