

Celebrating 25 years



elemental analysis **Catalogue 2003**

A world of products for elemental analysers



contents

i-xii Introduction

- i Contents
- ii About the company
- iii Keeping our customers satisfied
- iv Consumables/spares, glassblowing
- v Microanalytical service
- vi Terms and conditions
- Health and Safety informaton

1 Sample encapsulation

- 1 capsules for solid samples
- 4 pans for solid samples
- 7 discs for sample encapsulation
- 8 squares for sample encapsulation
- 9 capsules for liquid samples
- 11 weighing boats

12 Standards and reagents

- 12 certified analytical standards
- 14 catalysts, additives and reagents

17 Quartz and glassware

18 Oxygen flask combustion equipt etc.

19 Microanalytical tools and sundries



Main office and manufacturing laboratories

Elemental Microanalysis Limited
 Hameldown Road
 Okehampton Business Park
 Exeter Road • Okehampton
 Devon • EX20 1UB • UK
 Tel: +44 (0)1837 54446
 Fax: +44 (0)1837 54544
 E-mail: info@microanalysis.co.uk



Cert no 956566

Website: www.microanalysis.co.uk

Available locally from:



about the company

Elemental Microanalysis Limited

was founded by Stuart Carter in 1976. The company traded initially from a shop with a bedsit above in a run-down part of Kingston-upon-Thames, Surrey, and offered a microanalytical service to industrial and educational organisations. The company has expanded greatly and diversified since then, the bulk of our business now being the manufacture and supply of consumables and spares for elemental analysers. We now occupy a purpose-built factory and laboratory complex in Devon. We have the world's largest range of products for running elemental analysers, sending our goods and services to customers all around the globe. But one thing that hasn't changed is our dedication to providing all our customers with the highest quality products at competitive prices, backed up with the best service and technical support anywhere. In fact, if you're not completely satisfied with our products we guarantee you won't have to pay a penny.



about the catalogue

This catalogue is divided into sections to help you quickly find what you're looking for. There are also sections for our own range of capsules, standards, combustion reagents and sundry other products, which extends well beyond the range any other company can offer.

We've made ordering, even for the first time, as easy as possible. Our friendly sales staff will help you place your order, and our technical staff are on hand to make sure you get exactly what you need. And because we manufacture almost all our products we can generally deliver straight from stock.

If you would like advice about any aspect of elemental analysis, or simply a little help finding the particular item you need, we are always happy to help.



Information sheets for your instrument

The range of instruments that we cover has become too large for us to be able to provide information on each instrument in the catalogue. Use the faxback form on the back of this catalogue to request the information you need.

keeping our customers satisfied



Sales service

Our sales staff will make sure 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 in selecting the products best suited to your needs. They can also supply samples, and even develop new products for your particular application.

Guaranteed quality

Our quality system is certified to **BS EN ISO 9001:2000** by LRQA under certificate no. **956566**.



Cert no 956566

Our guarantee of satisfaction means you can be confident that our products and services are of the highest quality. And we strive constantly to become even better. So if you are not satisfied with us or our products for any reason, let us know. We will be happy to arrange the return of unsatisfactory goods, or resolve problems such as items damaged, lost or missing during shipment.



All our products are covered by our **no quibble guarantee of absolute satisfaction**. This means that should any product fail to perform at least as well as the items you usually use you won't have to pay a thing.

Customer satisfaction

Elemental Microanalysis Limited supplies products and services to customers throughout the European Union and across the rest of the world.

Wherever you are located, you can be sure that we will maintain our commitment to complete customer satisfaction with our products. Simply contact our sales department, and we will get your order to you in the best means possible - and fast.

Design changes

Due to continuing improvements some items may differ from the descriptions in this catalogue. Our Technical Services staff will be happy to discuss any improvements made, and the benefits to users which result.

consumables and spares for elemental analysis

Elemental Microanalysis Limited has a range of more than 2000 consumables and spares for a wide range of elemental analysers.

Many of our products are suitable for non-elemental analysis and other uses. Whatever you need, try us first.

Quartz and glassware

We supply reduction and reaction tubes, combustion tubes, scrubber tubes, and many other items of silica and glassware. We can also custom-make items to your exact specifications, and perform repair work for a fraction of the cost of a replacement.

Sample containers

We manufacture pans, capsules, boats and foil discs and squares in a variety of metals for the encapsulation of samples.

Standards and reagents

Our range includes combustion catalysts and reagents, platinum and nickel catalysts, copper reduction reagents, reagents for isotope analysis, interference removal reagents, pyrolysis catalysts and reagents, combustion aids, gas doping reagents, column packings and scrubbing and purification reagents.

Separation columns

Our separation columns are carefully manufactured and tested to give optimum performance. They are suitable for all chromatographic elemental analysis.

Microanalytical sundries

We have an extensive range of pipettes, forceps, tongs, micro-dessicators and the like for use in your microanalytical department.

Micro-chemical platinumware

We manufacture a number of platinum items for elemental analysis including boats, baskets and micro-crucibles. We can also make special items and perform repairs to platinumware.

Oxygen flask combustion equipment

Our oxygen flasks conform to BS2735 and are available in borosilicate or silica glass. We also supply many other items associated with the oxygen flask combustion technique.

Gas fittings and tubing

For fitment in a wide range of instruments, in stainless, aluminium and brass.

If you can't find what you need in this catalogue, let us know. We can custom-make items to your exact individual requirements.

custom glassblowing and repair service



In addition to manufacturing standard catalogue items in silica, Elemental Microanalysis Limited can produce items to your specifications or adapt products for your particular application. We can also repair many items at a fraction of the cost of a new replacement.

The company has produced silica dewars for nuclear applications, boats and ampoules for the production of semi-conductor compounds, micro-nebulisers and plasma torches for ICP, and many other components from simple furnace tubes to advanced wafer carriers.

We are able to produce one-off items or limited production quantities in silica or borosilicate from a fraction of a millimetre to 200 millimetres in diameter.

For further information about this service please contact us.

microanalytical service for c, h, n, o & s

General Information

Although we're best known for the development and manufacture of products for elemental analysis, Elemental Microanalysis Ltd has offered a fast, accurate analytical service ever since our formation over 25 years ago. We offer a service for carbon, hydrogen, nitrogen, oxygen and sulphur analysis. Analyses are always carried out in duplicate (quantity of sample permitting). We make every effort to ensure accurate results by frequent calibration and periodic check results on your samples. Calibration runs are carried out every sixth run. Sample results are only considered valid if the bounding calibration runs are within the deviation of the system (ie within 0.3%).



Submitting a sample for analysis

Customers should provide an adequate quantity of sample for analysis - typically 10mg or more. We will happily return any unused sample to you.

Please complete a data form for each sample submitted for analysis.

Information about the structure, expected composition and elements present are useful in order for us to choose the appropriate analytical technique.

Samples are analysed as received unless grinding or drying is requested.

Air-sensitive and hygroscopic samples

We can handle air-sensitive compounds without difficulty. For this type of analysis, you are requested to submit an adequate quantity of sample in a sealed glass tube with a bore of approximately 5 mm and a length of 100 mm. We may not be able to handle samples for air-sensitive analysis unless they are sealed in this manner.

Drying samples

We are able to dry your sample prior to analysis if required.

Service

Our normal service is one week from receipt of your sample. Results are faxed to you, followed by a letter of confirmation by first class post, but we can send results by phone or email at your request.

Overseas customers are requested to send samples requiring analysis direct to the analytical laboratory in the UK.

Conditions

You are advised to read the full list of terms and conditions before submitting samples for analysis.

Elemental Microanalysis Limited does not provide Expert Testimony in legal proceedings.

Microanalytical services

<i>Product</i>	<i>Quantity</i>	<i>Cat No</i>
Carbon, Hydrogen, Nitrogen analysis	Duplicate	A1000
Oxygen analysis	Duplicate	A1001
Sulphur analysis	Duplicate	A1002

NB: The analytical service falls outside the scope of Elemental Microanalysis Ltd's ISO 9002 certification.

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

Both quoted and printed prices may be subject to alteration without notice. The right is reserved to invoice goods and services at the date of despatch. Prices apply to all products and analyses including overseas orders. 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 on quotations or invoices.

Delivery

Although every effort will be made to honour delivery dates, no liability can be accepted in the instance of delayed delivery or non-delivery.

Amendments or cancellations

Whilst every effort is made to meet customers' individual requirements, amendment or cancellation of an order or any part thereof can only be accepted by agreement.

Responsibility

Our responsibility is limited to the supply of goods/services in the kind and quantity ordered and all consequential or resulting liability is expressly excluded. Whilst every effort is made to ensure the quality of analytical work, accuracy cannot be guaranteed.

For analyses other than those of a purely confirmatory nature, it is recommended that clients arrange for an additional independent analysis to be performed for their protection. Elemental Microanalysis Limited undertakes work of a purely academic or technical nature and does not provide an analytical service for expert Testimony in legal proceedings.

Product origins

Most items are manufactured in England by Elemental Microanalysis Limited. The use of instrument names and part numbers is intended for convenience and does not imply that products are of instrument manufacturers' origin. All products are guaranteed to be of high quality and suitable for the stated application.

health & safety information



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



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



Particular care is needed with glass equipment and/or chemicals, and we cannot accept responsibility for any injury or damage to persons or property caused in any circumstances.



Health & safety data is available to comply with COSHH regulations. If you would like a copy, or wish to discuss any health & safety aspect of our products, please contact

our Technical Service staff. We will be happy to supply the information you require with our compliments.



Environmental Policy

Elemental Microanalysis Limited is committed to the protection of the natural environment and ensures minimal damage is caused as a consequence of our manufacturing activities.

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

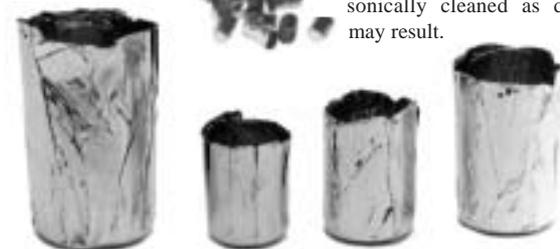
We shall continually strive to sustain the natural environment by resourcing appropriate information, training and support for our employees and encourage our suppliers to adopt a similar attitude.

pressed capsules for solid samples



Elemental Microanalysis Limited's pressed capsules for solid samples are available in standard and ultra-light weights. They are manufactured to exacting standards ensuring consistently low blank values and uniform weight.

They can be used without any cleaning pre-treatment, but for critical samples solvent cleaning or the use of our ultra-clean capsules is recommended. They should not be ultrasonically cleaned as damage may result.



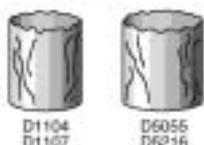
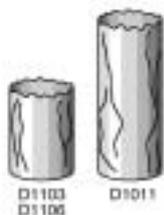
We can manufacture capsules in sizes and materials other than those listed below. We also offer discounts for larger quantities. Please enquire for details.

Pressed tin capsules

Elemental Microanalysis Limited's pressed tin capsules for solid samples are available in standard and ultra-light weights.



Actual size



Standard weight

For routine use.

Diameter	Height	Weight	Pack	Cat no
2 mm	4.5 mm	8 mg	100	D1083
3.2 mm	4 mm	8 mg	500	D1000
3.2 mm	4 mm	8 mg	100	D1001
3.2 mm	5.25 mm	12 mg	100	D1109
3.2 mm	6.5 mm	17 mg	100	D1086
3.5 mm	3.75 mm	8 mg	100	D1087
3.5 mm	5 mm	12 mg	500	D1002
3.5 mm	5 mm	12 mg	100	D1003
3.5 mm	6.25 mm	17 mg	100	D1088
3.5 mm	8.75 mm	30 mg	100	D1089
4 mm	4.75 mm	12 mg	100	D1090
4 mm	6 mm	17 mg	500	D1006
4 mm	6 mm	17 mg	100	D1007
4 mm	8.5 mm	30 mg	100	D1091
5 mm	5.5 mm	17 mg	100	D1092
5 mm	8 mm	30 mg	250	D1008
5 mm	8 mm	30 mg	100	D1009
5 mm	12.5 mm	62 mg	200	D1010
6 mm	7.5 mm	30 mg	100	D1093
6 mm	12 mm	62 mg	200	D1012
7 mm	7 mm	30 mg	100	D5047
7 mm	11.5 mm	62 mg	100	D1102
8 mm	11 mm	62 mg	100	D1103
8 mm	20 mm	146 mg	100	D1011
9 mm	10.5 mm	62 mg	100	D1104
10 mm	10 mm	62 mg	100	D5055

Ultra-light weight

A range of ultra-light weight tin capsules weighing 40% less than the standard range. These lower weight capsules produce less swarf build-up in combustion tubes, have lower blank values and provide more available oxygen for effective combustion of samples.

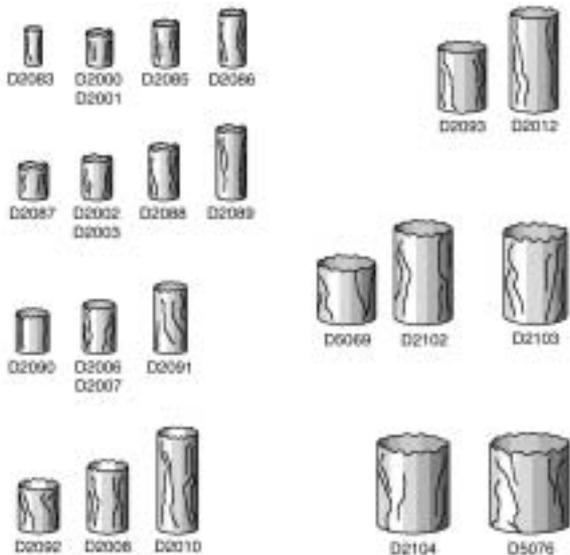
Diameter	Height	Weight	Pack	Cat no
2 mm	4.5 mm	5 mg	100	D1084
3.2 mm	4 mm	5 mg	100	D1014
3.2 mm	5.25 mm	8 mg	100	D1108
3.2 mm	6.5 mm	11 mg	100	D1094
3.5 mm	3.75 mm	5 mg	100	D1095
3.5 mm	5 mm	8 mg	100	D1015
3.5 mm	6.25 mm	11 mg	100	D1096
3.5 mm	8.75 mm	19 mg	100	D1097
4 mm	4.75 mm	11 mg	100	D1098
4 mm	6 mm	11 mg	100	D1016
4 mm	8.5 mm	19 mg	100	D1099
5 mm	5.5 mm	11 mg	100	D1100
5 mm	8 mm	19 mg	100	D1013
5 mm	12.5 mm	39 mg	100	D1032
6 mm	7.5 mm	19 mg	100	D1101
6 mm	12 mm	39 mg	100	D1033
7 mm	7 mm	19 mg	100	D5208
7 mm	11.5 mm	39 mg	100	D1105
8 mm	11 mm	39 mg	100	D1106
9 mm	10.5 mm	39 mg	100	D1107
10 mm	10 mm	39 mg	100	D5216

Pressed silver capsules

Silver capsules may become slightly oxidised or tarnished due to oxygen and contaminants in the air. This can easily be removed by heating to 375°C in air for one hour prior to use.

They should be stored long term under an inert gas.

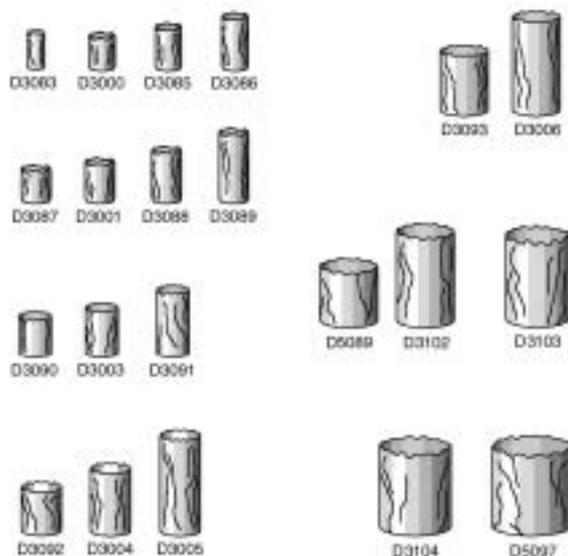
For routine use.



Diameter	Height	Weight	Pack	Cat no
2 mm	4.5 mm	15 mg	100	D2083
3.2 mm	4 mm	15 mg	500	D2000
3.2 mm	4 mm	15 mg	100	D2001
3.2 mm	5.25 mm	22 mg	100	D2085
3.2 mm	6.5 mm	31 mg	100	D2086
3.5 mm	3.75 mm	15 mg	100	D2087
3.5 mm	5 mm	22 mg	100	D2003
3.5 mm	5 mm	22 mg	500	D2002
3.5 mm	6.25 mm	31 mg	100	D2088
3.5 mm	8.75 mm	54 mg	100	D2089
4 mm	4.75 mm	22 mg	100	D2090
4 mm	6 mm	31 mg	500	D2006
4 mm	6 mm	31 mg	100	D2007
4 mm	8.5 mm	54 mg	100	D2091
5 mm	5.5 mm	31 mg	100	D2092
5 mm	8 mm	54 mg	250	D2008
5 mm	8 mm	54 mg	100	D2009
5 mm	12.5 mm	110 mg	200	D2010
6 mm	7.5 mm	54 mg	100	D2093
6 mm	12 mm	110 mg	200	D2012
7 mm	7 mm	54 mg	100	D5069
7 mm	11.5 mm	110 mg	100	D2102
8 mm	11 mm	110 mg	100	D2103
9 mm	10.5 mm	110 mg	100	D2104
10 mm	10 mm	110 mg	100	D5076

Pressed aluminium capsules

For routine use.



Diameter	Height	Weight	Pack	Cat no
2 mm	4.5 mm	4 mg	100	D3083
3.2 mm	4 mm	4 mg	500	D3000
3.2 mm	5.25 mm	6 mg	100	D3085
3.2 mm	6.5 mm	8 mg	100	D3086
3.5 mm	3.75 mm	4 mg	100	D3087
3.5 mm	5 mm	6 mg	500	D3001
3.5 mm	6.25 mm	8 mg	100	D3088
3.5 mm	8.75 mm	14 mg	100	D3089
4 mm	4.75 mm	6 mg	100	D3090
4 mm	6 mm	8 mg	500	D3003
4 mm	8.5 mm	14 mg	100	D3091
5 mm	5.5 mm	8 mg	100	D3092
5 mm	8 mm	14 mg	250	D3004
5 mm	12.5 mm	27 mg	200	D3005
6 mm	7.5 mm	14 mg	100	D3093
6 mm	12 mm	27 mg	200	D3006
7 mm	7 mm	14 mg	100	D5089
7 mm	11.5 mm	27 mg	100	D3102
8 mm	11 mm	27 mg	100	D3103
9 mm	10.5 mm	27 mg	100	D3104
10 mm	10 mm	27 mg	100	D5097

Pressed nickel capsules



Elemental Microanalysis pressed nickel capsules are manufactured from high purity foil to exacting standards to ensure consistent low blank values and uniform weight. They can be used without any cleaning pre-treatment, but for critical work solvent cleaning or the use of pre-cleaned capsules is recommended.

For specialised applications.

Diameter	Height	Weight	Pack	Cat no
5 mm	12.5 mm	85 mg	100	D3500
5 mm	8 mm	38 mg	250	D3502
5 mm	8 mm	36 mg	250	D3503

(D3503 has a 1 mm dia. hole in the bottom)

ultra-clean pressed capsules for solid samples



Elemental Microanalysis Limited's ultra-clean capsules are carefully solvent extracted then individually packaged in trays of 96 capsules ready for immediate use or in single packs of 250 (100 in the case of ultra-light tin capsules).

Tin capsules are available in standard and ultra-light weights.

Silver capsules may become slightly oxidised or tarnished due to oxygen and contaminants in the air. This can

easily be removed by heating to 375°C in air for one hour prior to use.

Silver capsules should be stored long term under an inert gas.

We can manufacture capsules in sizes and materials other than those listed below. We also offer discounts for larger quantities. Please enquire for details.



Ultra-clean pressed tin capsules

Standard weight

Diameter	Height	Weight	Pack	Cat no
4 mm	6 mm	17 mg	96	D1027
4 mm	6 mm	17 mg	250	D1028
4 mm	6 mm	17 mg	10 x 96	D1112
5 mm	8 mm	30 mg	96	D1029
5 mm	8 mm	30 mg	250	D1034
5 mm	8 mm	30 mg	10 x 96	D1113
7 mm	7 mm	30 mg	48	D1037
7 mm	7 mm	30 mg	10 x 48	D1114

Ultra-light weight

Diameter	Height	Weight	Pack	Cat no
4 mm	6 mm	11 mg	96	D1030
4 mm	6 mm	11 mg	100	D1035
4 mm	6 mm	11 mg	10 x 96	D1110

Diameter	Height	Weight	Pack	Cat no
5 mm	8 mm	19 mg	96	D1031
5 mm	8 mm	19 mg	100	D1036
5 mm	8 mm	19 mg	96 x 10	D1111

Ultra-clean pressed silver capsules

Diameter	Height	Weight	Pack	Cat no
4 mm	6 mm	22 mg	96	D2027
4 mm	6 mm	22 mg	250	D2028
5 mm	8 mm	31 mg	96	D2029
5 mm	8 mm	31 mg	250	D2030

Ultra-clean pressed aluminium capsules

Diameter	Height	Weight	Pack	Cat no
4 mm	6 mm	22 mg	96	D3027
4 mm	6 mm	22 mg	250	D3028
5 mm	8 mm	31 mg	96	D3029
5 mm	8 mm	31 mg	250	D3030

Ultra-clean pressed nickel capsules

Diameter	Height	Weight	Pack	Cat no
5 mm	8 mm	38 mg	96	D3504

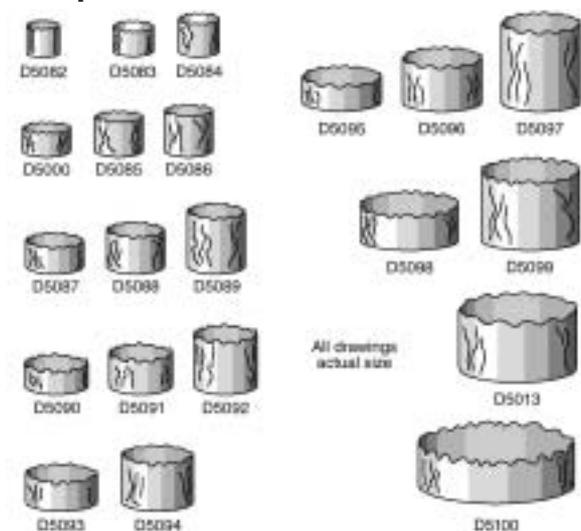
pressed weighing pans for solid samples

Elemental Microanalysis Limited's pressed pans for solid samples are manufactured to exacting standards to ensure consistently low blank values, high quality fabrication and uniform weight. They are available in aluminium, silver and tin.

They can be used without any cleaning pre-treatment, but for critical samples solvent cleaning or the use of our ultra-clean capsules is recommended. They should not be ultrasonically cleaned as damage may result.

We can manufacture pans in sizes and materials other than those listed below. We also offer discounts for larger quantities. Please enquire for details.

Pressed aluminium pans for solid samples

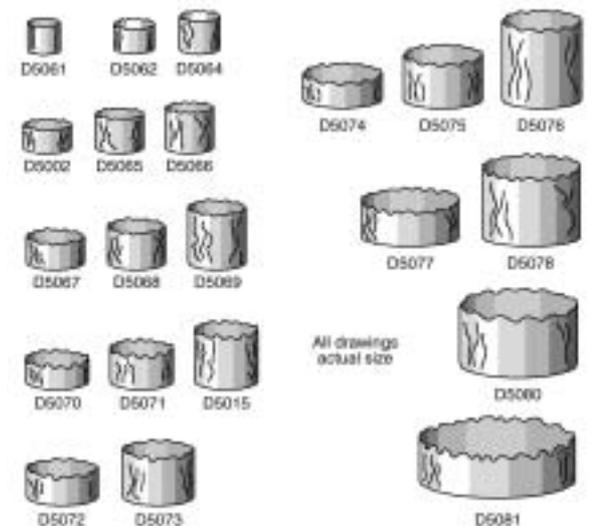


Diameter	Height	Weight	Pack	Cat no
4 mm	3.5 mm	4 mg	100	D5082
5 mm	3 mm	4 mg	100	D5083
5 mm	4.25 mm	6 mg	100	D5084
6 mm	2.5 mm	4 mg	100	D5000
6 mm	3.75 mm	8 mg	100	D5085
6 mm	5 mm	8 mg	100	D5086
7 mm	3.25 mm	6 mg	100	D5087
7 mm	4.5 mm	8 mg	100	D5088
7 mm	7 mm	14 mg	100	D5089
8 mm	2.75 mm	6 mg	100	D5090
8 mm	4 mm	8 mg	100	D5091
8 mm	6.5 mm	14 mg	100	D5092
9 mm	3.5 mm	8 mg	100	D5093
9 mm	6 mm	14 mg	100	D5094
10 mm	3 mm	8 mg	100	D5095
10 mm	5.5 mm	14 mg	100	D5096
10 mm	10 mm	28 mg	100	D5097
12.5 mm	4.25 mm	14 mg	100	D5098
12.5 mm	8.75 mm	28 mg	100	D5099
15 mm	7.5 mm	28 mg	100	D5013
20 mm	5 mm	28 mg	100	D5100

Pressed silver pans for solid samples

Silver pans may become slightly oxidised or tarnished due to oxygen and contaminants in the air. This can easily be removed by heating to 375° C in air for one hour prior to use.

Silver pans should be stored long term under an inert gas.

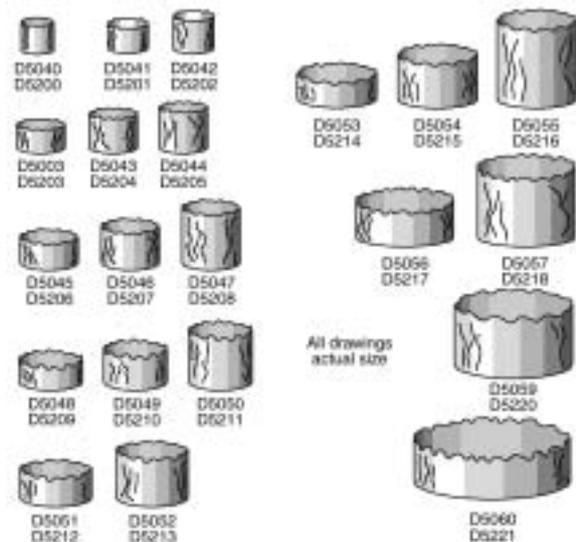


Diameter	Height	Weight	Pack	Cat no
4 mm	3.5 mm	15 mg	100	D5061
5 mm	3 mm	15 mg	100	D5062
5 mm	4.25 mm	22 mg	100	D5064
6 mm	2.5 mm	15 mg	100	D5000
6 mm	3.75 mm	22 mg	100	D5065
6 mm	5 mm	31 mg	100	D5066
7 mm	3.25 mm	22 mg	100	D5067
7 mm	4.5 mm	31 mg	100	D5068
7 mm	7 mm	54 mg	100	D5069
8 mm	2.75 mm	22 mg	100	D5070
8 mm	4 mm	31 mg	100	D5071
8 mm	6.5 mm	54 mg	100	D5015
9 mm	3.5 mm	31 mg	100	D5072
9 mm	6 mm	54 mg	100	D5073
10 mm	3 mm	31 mg	100	D5074
10 mm	5.5 mm	54 mg	100	D5075
10 mm	10 mm	110mg	100	D5076
12.5 mm	4.25 mm	54 mg	100	D5077
12.5 mm	8.75 mm	110 mg	100	D5078
15 mm	7.5 mm	110 mg	100	D5080
20 mm	5 mm	110 mg	100	D5081

Pressed tin pans for solid samples

Elemental Microanalysis Limited's pressed pans for solid samples are available in two weights - solid and ultra-light.

They can be used without any cleaning pre-treatment, but for critical samples solvent cleaning or the use of our ultra-clean capsules is recommended. They should not be ultrasonically cleaned as damage may result.



Standard weight

Diameter	Height	Weight	Pack	Cat no
4 mm	3.5 mm	8 mg	100	D5040
5 mm	3 mm	8 mg	100	D5041
5 mm	4.25 mm	12 mg	100	D5042
6 mm	2.5 mm	8 mg	100	D5003
6 mm	3.75 mm	12 mg	100	D5043
6 mm	5 mm	17 mg	100	D5044
7 mm	3.25 mm	12 mg	100	D5045
7 mm	4.5 mm	17 mg	100	D5046
7 mm	7 mm	30 mg	100	D5047
8 mm	2.75 mm	12 mg	100	D5048
8 mm	4 mm	17 mg	100	D5049
8 mm	6.5 mm	30 mg	100	D5050
9 mm	3.5 mm	17 mg	100	D5051
9 mm	6 mm	30 mg	100	D5052
10 mm	3 mm	17 mg	100	D5053
10 mm	5.5 mm	30 mg	100	D5054
10 mm	10 mm	62 mg	100	D5055
12.5 mm	4.25 mm	30 mg	100	D5056
12.5 mm	8.75 mm	62 mg	100	D5057
15 mm	7.5 mm	62 mg	100	D5059
20 mm	5 mm	62 mg	100	D5060

Ultra-light weight

Weigh approximately 40% less than the standard range.

Diameter	Height	Weight	Pack	Cat no
4 mm	3.5 mm	5 mg	100	D5200
5 mm	3 mm	5 mg	100	D5201
5 mm	4.25 mm	8 mg	100	D5202
6 mm	2.5 mm	5 mg	100	D5203
6 mm	3.75 mm	8 mg	100	D5204
6 mm	5 mm	11 mg	100	D5205
7 mm	3.25 mm	8 mg	100	D5206
7 mm	4.5 mm	11 mg	100	D5207
7 mm	7 mm	19 mg	100	D5208
8 mm	2.75 mm	8 mg	100	D5209
8 mm	4 mm	11 mg	100	D5210
8 mm	6.5 mm	19 mg	100	D5211
9 mm	3.5 mm	11 mg	100	D5212
9 mm	6 mm	19 mg	100	D5213
10 mm	3 mm	11 mg	100	D5214
10 mm	5.5 mm	19 mg	100	D5215
10 mm	10 mm	39 mg	100	D5216
12.5 mm	4.25 mm	19 mg	100	D5217
12.5 mm	8.75 mm	39 mg	100	D5218
15 mm	7.5 mm	39 mg	100	D5220
20 mm	5 mm	39 mg	100	D5221

aluminium pans for moisture determination

Aluminium pans for moisture determination

Elemental Microanalysis Limited's moisture determination pans are suitable for use with all models of moisture determination balance. They are constructed with ribbing for rigidity whilst still maintaining low tare weight.



50% actual size

D5014



<i>Diameter</i>	<i>Depth</i>	<i>Weight</i>	<i>Pack</i>	<i>Cat no</i>
100 mm	7 mm	2.4 g	100	D5014

tin foil evaporating cups

Ideal for drying liquid samples down to residues prior to feeding into an elemental analyser. The shape has been designed so that the residue forms in the bottom of the cup and allows easy folding. Capacity is approximately 10 cc.



D8012



<i>Diameter</i>	<i>Height</i>	<i>Weight</i>	<i>Pack</i>	<i>Cat no</i>
24 mm	28 mm	390 mg	48	D8012

A thermostatically controlled hotplate with a 40-position plate machined to hold the cups in position for drying is available.

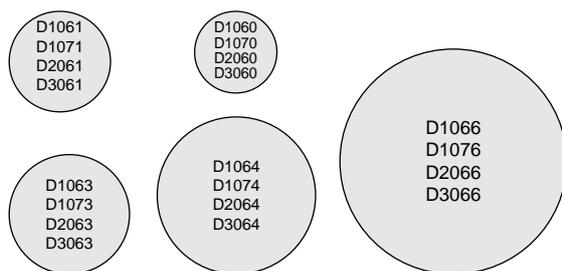
E5006
E5007

<i>Product</i>	<i>Unit</i>	<i>Cat no</i>
Hotplate for tin foil evaporating cups, 220/240 V ac	1	E5006
Hotplate for tin foil evaporating cups, 110/120 V ac	1	E5007

foil discs and squares for sample encapsulation

Foil discs for glass fibre filters, fibrous and sticky samples

Microanalysis metal foil discs are ideal for the encapsulation of sticky, fibrous or other samples which are difficult to handle using conventional pressed capsules. A small dab or a few fibres on a disc is easily encapsulated by folding the foil around the sample. With a little practice even glass fibre filters can be rolled up in foil discs to form neat cylinders which fit the instrument carousel.



(all outlines actual size)

Standard weight tin foil discs

Manufactured from high purity tin. Suitable for routine use.

<i>Diameter</i>	<i>Thickness</i>	<i>Weight</i>	<i>Pack</i>	<i>Cat no</i>
11 mm	0.0125 mm	8mg	100	D1060
13.5 mm	0.0125 mm	12mg	100	D1061
16 mm	0.0125 mm	17mg	100	D1063
21 mm	0.0125 mm	30mg	100	D1064
30 mm	0.0125 mm	62mg	100	D1066

Ultra-light weight tin foil discs

Weigh approximately 40% less than the standard range. These lower weight squares produce less swarf build-up in combustion tubes, have lower blank values and provide more available oxygen for the effective combustion of the sample.

<i>Diameter</i>	<i>Thickness</i>	<i>Weight</i>	<i>Pack</i>	<i>Cat no</i>
11 mm	0.008 mm	5mg	100	D1070
13.5 mm	0.008 mm	8mg	100	D1071
16 mm	0.008 mm	11mg	100	D1073
21 mm	0.008 mm	19mg	100	D1074
30 mm	0.008 mm	39mg	100	D1076

Silver foil discs

Manufactured from high purity silver foil. Suitable for routine use.

<i>Diameter</i>	<i>Thickness</i>	<i>Weight</i>	<i>Pack</i>	<i>Cat no</i>
11 mm	0.015 mm	15mg	100	D2060
13.5 mm	0.015 mm	22mg	100	D2061
16 mm	0.015 mm	31mg	100	D2063
21 mm	0.015 mm	54mg	100	D2064
30 mm	0.015 mm	110mg	100	D2066

Aluminium foil discs

Manufactured from high purity aluminium foil. Suitable for routine use.

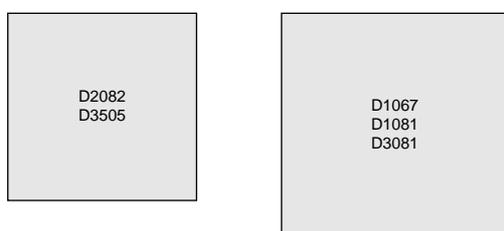
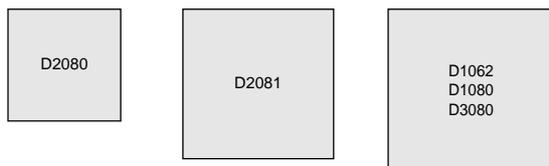
<i>Size</i>	<i>Thickness</i>	<i>Weight</i>	<i>Pack</i>	<i>Cat no</i>
11 mm	0.015 mm	4mg	100	D3060
13.5 mm	0.015 mm	6mg	100	D3061
16 mm	0.015 mm	8mg	100	D3063
21 mm	0.015 mm	14mg	100	D3064
30 mm	0.015 mm	28mg	100	D3066

Foil discs in other materials

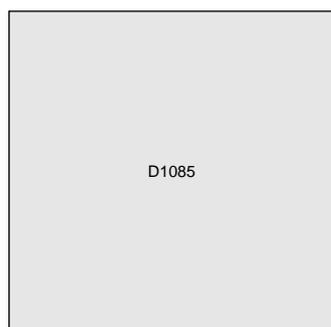
Microanalysis foil discs are available in other materials and sizes for your specific application. Please enquire for more information.

Foil squares for glass fibre filters, fibrous and sticky samples

Microanalysis metal foil squares are ideal for the encapsulation of sticky, fibrous or other samples which are difficult to handle using conventional pressed capsules. A small dab or a few fibres on a square is easily encapsulated by folding the foil around the sample. With a little practice even glass fibre filters can be rolled up in foil squares to form neat cylinders which fit the instrument carousel.



(all outlines actual size)



Standard weight tin foil squares

Manufactured from high quality tin. Suitable for routine use.

Size	Thickness	Weight	Pack	Cat no
22 x 22 mm	0.0125 mm	44 mg	100	D1062
30 x 30 mm	0.0125 mm	82 mg	100	D1067
37 x 37 mm	0.0125 mm	125 mg	100	D1068
43 x 43 mm	0.0125 mm	168 mg	100	D1085

Ultra-light weight tin foil squares

Weigh approximately 40% less than the standard range. These lower weight squares produce less swarf build-up in combustion tubes, have lower blank values and provide more available oxygen for the effective combustion of the sample.

Size	Thickness	Weight	Pack	Cat no
22 x 22 mm	0.008 mm	28 mg	100	D1080
30 x 30 mm	0.008 mm	52 mg	100	D1081
37 x 37 mm	0.008 mm	80 mg	100	D1082

Silver foil squares

Manufactured from high purity silver. Suitable for routine use.

Size	Thickness	Weight	Pack	Cat no
15 x 15 mm	0.015 mm	35mg	100	D2080
20 x 20 mm	0.015 mm	63mg	100	D2081
25 x 25 mm	0.015 mm	98mg	100	D2082
35 x 35 mm	0.015 mm	192mg	100	D2084

Aluminium foil squares

Manufactured from high purity aluminium. Suitable for routine use.

Size	Thickness	Weight	Pack	Cat no
22 x 22 mm	0.015 mm	19mg	100	D3080
30 x 30 mm	0.015 mm	36mg	100	D3081
37 x 37 mm	0.015 mm	55mg	100	D3082

Nickel foil squares

Suitable for routine use. Annealed.

Size	Thickness	Weight	Pack	Cat no
25 x 25 mm	0.015 mm	83mg	100	D3505

Foil squares in other materials

Microanalysis foil squares are available in other materials and sizes for your specific application. Please enquire for more information.

smooth wall tin capsules

Elemental Microanalysis Limited's smooth wall capsules for liquid samples are extruded to exacting standards to ensure consistently low blank values, high quality fabrication and low weight. Smooth wall capsules can be used without any cleaning pre-treatment, but we recommend solvent cleaning for critical work.

The capsules can be sealed using a proprietary sealing tool or mole grips, available from our *microanalytical sundries* section.

We can manufacture capsules in sizes and materials other than those listed below. Please enquire for details.

Flat bottom smooth tin capsules



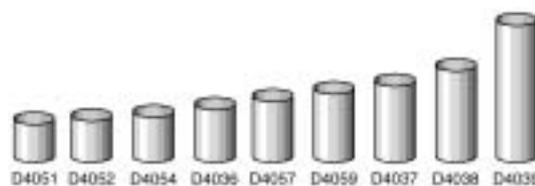
Diameter	Height	Weight	Pack	Cat no
2 mm	3.5 mm	19 mg	100	D4040
2 mm	4 mm	21 mg	100	D4041
2 mm	4.5 mm	23 mg	100	D4019
2 mm	5 mm	25 mg	100	D4042
2 mm	5.5 mm	27 mg	100	D4000



Diameter	Height	Weight	Pack	Cat no
3 mm	3.5 mm	31 mg	100	D4025
3 mm	4 mm	34 mg	100	D4043
3 mm	4.5 mm	38 mg	100	D4044
3 mm	5 mm	41 mg	100	D4045
3 mm	5.5 mm	45 mg	100	D4046
3 mm	6 mm	48 mg	100	D4001
3 mm	7 mm	54 mg	100	D4020
3 mm	8 mm	65 mg	100	D4021



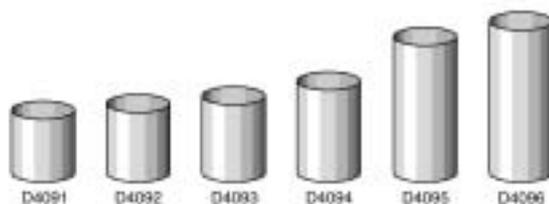
Diameter	Height	Weight	Pack	Cat no
3.5 mm	4 mm	42 mg	100	D4032
3.5 mm	4.5 mm	46 mg	100	D4047
3.5 mm	5 mm	51 mg	100	D4048
3.5 mm	5.5 mm	55 mg	100	D4033
3.5 mm	6 mm	59 mg	100	D4049
3.5 mm	7 mm	66 mg	100	D4034
3.5 mm	8 mm	75 mg	100	D4050
3.5 mm	9 mm	84 mg	100	D4035



Diameter	Height	Weight	Pack	Cat no
5 mm	5 mm	76 mg	100	D4051
5 mm	5.5 mm	82 mg	100	D4052
5 mm	6 mm	88 mg	100	D4054
5 mm	7 mm	98 mg	100	D4036
5 mm	8 mm	111 mg	100	D4057
5 mm	9 mm	122 mg	100	D4059
5 mm	10 mm	134 mg	100	D4037
5 mm	12 mm	157 mg	100	D4038
5 mm	18 mm	222 mg	100	D4039



Diameter	Height	Weight	Pack	Cat no
6 mm	6 mm	153 mg	100	D4084
6 mm	7 mm	172 mg	100	D4085
6 mm	8 mm	191 mg	100	D4086
6 mm	9 mm	210 mg	100	D4087
6 mm	10 mm	229 mg	100	D4088
6 mm	12 mm	266 mg	100	D4089
6 mm	18 mm	290 mg	100	D4090

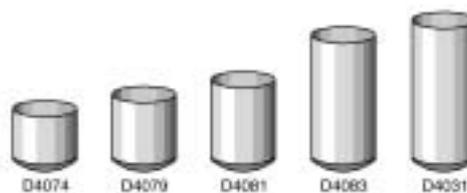


Diameter	Height	Weight	Pack	Cat no
8 mm	8 mm	219 mg	100	D4091
8 mm	9 mm	237 mg	100	D4092
8 mm	10 mm	255 mg	100	D4093
8 mm	12 mm	292 mg	100	D4094
8 mm	18 mm	401 mg	100	D4095
8 mm	20 mm	438 mg	100	D4096

Round bottom smooth tin capsules



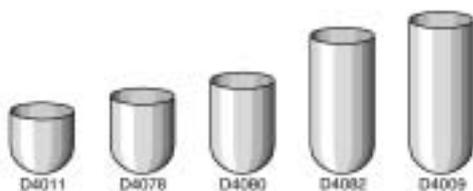
Diameter	Height	Weight	Pack	Cat no
5 mm	5 mm	96 mg	100	D4010
5 mm	8 mm	130 mg	100	D4058
5 mm	10 mm	153 mg	100	D4061
5 mm	12 mm	176 mg	100	D4062
5 mm	18 mm	245 mg	100	D4003



Diameter	Height	Weight	Pack	Cat no
8 mm	8 mm	244 mg	100	D4074
8 mm	10 mm	281 mg	100	D4079
8 mm	12 mm	317 mg	100	D4081
8 mm	18 mm	427 mg	100	D4083
8 mm	20 mm	465 mg	100	D4031



Diameter	Height	Weight	Pack	Cat no
6 mm	6 mm	126 mg	100	D4008
6 mm	8 mm	153 mg	100	D4066
6 mm	10 mm	181 mg	100	D4070
6 mm	12 mm	208 mg	100	D4072
6 mm	18 mm	290 mg	100	D4007



Diameter	Height	Weight	Pack	Cat no
8 mm	8 mm	224 mg	100	D4011
8 mm	10 mm	260 mg	100	D4078
8 mm	12 mm	297 mg	100	D4080
8 mm	18 mm	406 mg	100	D4082
8 mm	20 mm	443 mg	100	D4009

Part round bottom smooth tin capsules



Diameter	Height	Weight	Pack	Cat no
6 mm	6 mm	122 mg	100	D4063
6 mm	8 mm	149 mg	100	D4067
6 mm	10 mm	177 mg	100	D4071
6 mm	12 mm	204 mg	100	D4073
6 mm	18 mm	287 mg	100	D4030

weighing boats for liquid and solid samples

Platinum weighing boats



Length	Width	Height	Thickness	Weight	Pack	Cat no
9 mm	4 mm	2.5 mm + tab	0.1 mm	150 mg	1	D5004
9 mm	4 mm	2.5 mm + tab	0.05 mm	75 mg	1	D5005
12 mm	4 mm	2.7 mm	0.1 mm	198 mg	1	D5110
12 mm	4 mm	2.7 mm	0.05 mm	99 mg	1	D5115

Tin weighing boats



Length	Width	Height	Thickness	Weight	Pack	Cat no
9 mm	4 mm	2.5 mm + tab	0.1 mm	40 mg	100	D5009
12 mm	4 mm	2.7 mm	0.1 mm	64 mg	100	D5113
12 mm	4 mm	4 mm	0.0125 mm	21 mg	100	D5022
12 mm	6 mm	6 mm	0.0125 mm	38 mg	100	D5023

Nickel weighing boats



Length	Width	Height	Thickness	Weight	Pack	Cat no
9 mm	4 mm	2.5 mm + tab	0.15 mm	92 mg	100	D5006
12 mm	4 mm	2.7 mm	0.15 mm	122 mg	100	D5111

Copper weighing boats



Length	Width	Height	Thickness	Weight	Pack	Cat no
9 mm	4 mm	2.5 mm + tab	0.1 mm	109 mg	100	D5114
12 mm	4 mm	2.7 mm	0.1 mm	83 mg	100	D5020

Aluminium weighing boats



Length	Width	Height	Thickness	Weight	Pack	Cat no
9 mm	4 mm	2.5 mm + tab	0.1 mm	18 mg	100	D5007
12 mm	4 mm	2.7 mm	0.1 mm	25 mg	100	D5010
12 mm	4 mm	2.7 mm	0.1 mm	25 mg	500	D5016
12 mm	4 mm	4 mm	0.015 mm	18 mg	100	D5030
12 mm	6 mm	6 mm	0.015 mm	25 mg	100	D5031

Silver weighing boats

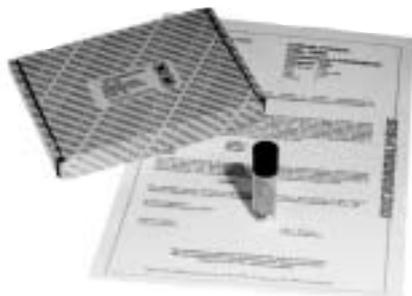


Length	Width	Height	Thickness	Weight	Pack	Cat no
9 mm	4 mm	2.5 mm + tab	0.015 mm	19 mg	100	D5008
12 mm	4 mm	2.7 mm	0.015 mm	15 mg	100	D5112
12 mm	4 mm	4 mm	0.015 mm	36 mg	100	D5024
12 mm	6 mm	6 mm	0.015 mm	66 mg	100	D5026

Sample encapsulation



Product	Pack	Cat no
Filter paper roll, 30 mm x 100 m, for paper flags	1	E2014
Gelatin capsules, size 4	100	E2021
Gelatin capsules, 5.5 x 17 mm	100	E2141
Gelatin capsules, 6 x 19 mm	100	E2142

certified organic & inorganic analytical standards (OAS & IAS)


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.

Standard	%C	%H	%N	%O	%S	Pack	Cat No
Acetanilide	71.09	6.71	10.36	11.84	-	1g	B2000
Acetanilide	71.09	6.71	10.36	11.84	-	5g	B2114
Acetanilide	71.09	6.71	10.36	11.84	-	25g	B2122
Alanine	40.44	7.92	15.72	35.92	-	1g	B2001
Anthracene	94.34	5.66	-	-	-	1g	B2003
Aspartic Acid	36.09	5.30	10.52	48.08	-	1g	B2042
Aspartic Acid (N only)	-	-	10.52	-	-	10g	B2139
Atropine §	70.56	8.01	4.84	16.59	-	1g	B2002
Barium Sulphate	-	-	-	-	13.74	1g	B2112
Barium Sulphate	-	-	-	-	13.74	5g	B2110
Benzoic Acid	68.85	4.95	-	26.20	-	1g	B2004
Caffeine §	49.48	5.19	28.85	16.48	-	1g	B2030
Caffeine §	49.48	5.19	28.85	16.48	-	5g	B2104
Cyclohexanone-2,4-Dinitrophenylhydrazone	51.79	5.07	20.14	23.00	-	1g	B2005
Cystine	29.99	5.03	11.66	26.63	26.69	1g	B2035
Cystine	29.99	5.03	11.66	26.63	26.69	5g	B2105
Dibenzylsulphide	68.25	5.73	-	-	26.02	1g	B2011
Diphenyl	93.46	6.54	-	-	-	1g	B2039
EDTA	41.09	5.52	9.59	43.79	-	1g	B2033
EDTA	41.09	5.52	9.59	43.79	-	25g	B2120
EDTA (for Nitrogen only)	-	-	9.59	-	-	50g	B2115
Imidazol	52.93	5.92	41.15	-	-	1g	B2040
Isatin	65.30	3.43	9.52	21.75	-	1g	B2041
Lubricant standard	72.36	11.44	0.90	-	3.06	2g	B2145
Methionine	40.25	7.43	9.39	21.44	21.49	1g	B2045
Methionine	40.25	7.43	9.39	21.44	21.49	25g	B2100
Naphthalene §	93.71	6.29	-	-	-	1g	B2014
Nicotinamide	59.01	4.95	22.94	13.10	-	1g	B2132
Phenacetin	67.01	7.31	7.82	17.86	-	1g	B2016
Phenanthrene enriched	-	-	-0.5*	-	-0.6*	1g	B2113
S-Benzylthiuronium chloride	47.40	5.47	13.82	-	15.82	1g	B2007
S-Benzylthiuronium chloride	47.40	5.40	13.82	-	15.82	5g	B2108
Silver Sulphate	-	-	-	-	10.28	1g	B2109
Silver sulphate	-	-	-	-	10.28	5g	B2111
Stearic Acid	76.00	12.75	-	11.25	-	1g	B2031
Stearic Acid	76.00	12.75	-	11.25	-	5g	B2102
Sucrose	42.10	6.48	-	51.41	-	1g	B2032
Sucrose	42.10	6.48	-	51.41	-	25g	B2121
Sulphamethazine	51.78	5.07	20.12	11.49	11.52	1g	B2037
Sulphamethazine	51.78	5.07	20.12	11.49	11.52	5g	B2106
Sulphamethazine	51.78	5.07	20.12	11.49	11.52	25g	B2107
Sulphamic Acid §	-	3.11	14.43	49.44	33.02	1g	B2017
Sulphanilic Acid §	41.61	4.07	8.09	27.71	18.51	1g	B2043
Sulphanilamide	41.85	4.68	16.26	18.58	18.62	1g	B2036
Trifluoroacetanilide	50.80	3.20	7.41	(8.46)	-	1g	B2018
Triphenylphosphine	82.42	5.76	-	-	-	1g	B2022
Urea	20.00	6.71	46.64	26.64	-	1g	B2038
Urea	20.00	6.71	46.64	26.64	-	25g	B2119
1-Chloro-2,4-Dinitrobenzene §	35.58	1.49	13.83	31.60	-	1g	B2010
1,3-Dinitrobenzene §	42.87	2.40	16.66	38.07	-	1g	B2012
1,3-Dinitrobenzene §	42.87	2.40	16.66	38.07	-	5g	B2103
2-Iodobenzoic Acid	33.90	2.03	-	(12.90)	-	1g	B2021
2,5-Bis(5-tert-butyl-2-benzoxazol-2-yl)thiophene (BBOT)	72.52	6.09	6.51	7.43	7.44	1g	B2044
2,5-Bis(5-tert-butyl-2-benzoxazol-2-yl)thiophene (BBOT)	72.52	6.09	6.51	7.43	7.44	5g	B2046

Standard	%C	%H	%N	%O	%S	%Cl	Pack	Cat No
3,5-Dinitrobenzoic Acid	39.64	1.90	13.20	45.25	-	-	1g	B2034
3,5-Dinitrobenzoic Acid	39.64	1.90	13.20	45.25	-	-	5g	B2118
4-Bromobenzoic Acid	41.82	2.51	-	(15.92)	-	-	1g	B2008
4-Chlorobenzoic Acid	53.70	3.22	-	20.44	-	22.64	1g	B2009
4-Chlorobenzoic Acid	53.70	3.22	-	20.44	-	22.64	5g	B2117
4-Fluorobenzoic Acid	60.01	3.59	-	(22.84)	-	-	1g	B2013
4-Nitroaniline §	52.17	4.38	20.29	23.16	-	-	1g	B2015
8-Hydroxyquinoline	74.47	4.86	9.65	11.02	-	-	1g	B2020

§ Denotes harmful substance.

* Approximate figure. See supplied Certificate of Analysis for exact value.

Figures in brackets are not certified values and are provided for information purposes only.

We can supply other working standards with Certificates of Analysis upon request. Bulk packs of working standards are available; please enquire for more details.

catalysts, additives and reagents



Carefully prepared from high quality raw materials and tested for quality and performance. The granular materials have volume stability at elevated temperatures and are virtually free from dusting and caking.

We have divided our list of reagents into different sections for ease of finding what you need for your particular purpose; each section lists all the products which fit the description. For this reason some products appear in more than one category.

§ Denotes hazardous material.

Combustion catalysts and reagents

High purity materials tested for quality and performance. Reagents are volume stable at elevated temperatures and are virtually free from dusting and caking. These products can be manufactured in other mesh sizes as required to suit your application.

Product	Pack	Cat no
Aluminium Oxide (Alumina), granular, 0.2 - 0.5 mm, isotope grade	10g	B1129
Aluminium Oxide (Alumina), granular, 0.2 - 0.85 mm	25g	B1128
Aluminium Oxide (Alumina), granular, 0.85 - 1.7 mm	50g	B1127
Aluminium Oxide (Alumina), granular, 1.7 - 3.35 mm, replaces B1060	100g	B1126
Aluminium Oxide (Alumina), hollow spheres, 2 - 4 mm	40g	B1090
Aluminium Oxide pellets	200g	B1163
Cerium Oxide, granular, 0.85 - 1.7 mm	25g	B1028
Chromium Oxide, granular, 0.85 - 1.7 mm	25g	B1004
Chromium Oxide, granular, 0.85 - 1.7 mm	50g	B1179
Chromium Oxide, granular, 0.85 - 1.7 mm	100g	B1099
Chromium Oxide, granular	500g	B1200
Chromium Oxide on Alumina, granular, 0.85 - 1.7 mm	50g	B1131
Chromium Oxide on Alumina, granular, 0.85 - 1.7 mm	100g	B1132
Cobaltous/ic Oxide, granular	25g	B1001
Cobaltous/ic Oxide, granular	100g	B1121
Cobaltous/ic Oxide Silvered, granular	500g	B1201
Combustion catalyst, NA2000, mixed catalyst	40g	B1103
Copper Oxide, fine wires	50g	B1002
Copper Oxide, fine wires	250g	B1122
Copper Oxide, fine wires, isotope grade, 0.5 x 4 mm	50g	B1080
Copper Oxide, fine wires, 0.5 x 4 mm	100g	B1125
Copper Oxide, granular, 0.1 - 0.5 mm	50g	B1003
Copper Oxide, granular, 0.1 - 0.5 mm	500g	B1160
Copper Oxide, isotope grade, granular, 0.1 - 0.5 mm	50g	B1051
Nickel Oxide, granular, 0.2 - 0.5 mm, isotope grade	25g	B1130
Nickel Oxide, granular, 0.85 - 1.7 mm	25g	B1034
Nickel Oxide/Chromium Oxide, granular, 0.85 - 1.7 mm	25g	B1033
Platinised Alumina, 10% Pt, granular, 0.2 - 0.5 mm	2g	B1096

Product	Pack	Cat no
Platinised Alumina, 20% Pt, granular, 0.2 - 0.5 mm	2g	B1097
Platinised Alumina, 1% Pt, granular, 0.85 - 1.2 mm	50g	B1139
Platinised Alumina pellets, 0.5% Pt, 'nitrogen catalyst'	50g	B1061
Platinised Copper Oxide, 10% Pt, granular, 0.2 - 0.5 mm	2g	B1030
Platinised Copper Oxide, 20% Pt, granular, 0.2 - 0.5 mm	2g	B1050
Rare Earth Copper Oxide, granular, 0.85 - 1.7 mm	50g	B1123
Silver Tungstate/Magnesium Oxide, granular, 0.85 - 1.7 mm	100g	B1036
Silver Tungstate/Magnesium Oxide, granular, 0.85 - 1.7 mm	25g	B1038
Silver Tungstate/Magnesium Oxide on Chromosorb A, granular, 20 - 30 mesh (linear inch)	25g	B1058
Silvered Cobaltous/ic Oxide, granular, 0.85 - 1.7 mm	25g	B1000
Silvered Cobaltous/ic Oxide, granular, 0.85 - 1.7 mm	100g	B1120
Silvered Copper Oxide, fine wires, 0.5 x 4 mm	50g	B1070
Silvered Copper Oxide, granular, 0.1 - 0.5 mm	50g	B1071
Tungstic Anhydride, granular, 0.85 - 1.7 mm	25g	B1025
Tungstic Oxide on Alumina, granular, 0.85 - 1.7 mm	25g	B1031
Tungstic Oxide on Alumina, granular, 0.85 - 1.7 mm	100g	B1133
Tungstic Oxide/Zirconium Oxide, granular, 0.85 - 1.7 mm	50g	B1082
Universal fluorine, reagent	100g	B1113

Platinum catalysts

Product	Pack	Cat no
Platinised Alumina, 10% Pt, granular, 0.2 - 0.5 mm	2g	B1096
Platinised Alumina, 20% Pt, granular, 0.2 - 0.5 mm	2g	B1097
Platinised Alumina, 1% Pt, granular, 0.85 - 1.2 mm	50g	B1139
Platinised Alumina pellets, 0.5% Pt, 'nitrogen catalyst'	50g	B1061
Platinised Carbon, granular, 10% Pt, 0.2 - 0.85 mm	5g	B1005
Platinised Carbon, granular, 10% Pt, 0.85 - 1.7 mm	5g	B1134
Platinised Carbon, granular, 20% Pt, 0.2 - 0.85 mm	5g	B1095
Platinised Carbon, granular, 20% Pt, 0.85 - 1.7 mm	5g	B1135
Platinised Copper Oxide, 10% Pt, granular, 0.2 - 0.5 mm	2g	B1030
Platinised Copper Oxide, 20% Pt, granular, 0.2 - 0.5 mm	2g	B1050
Platinum gauze strip, 12 x 150 mm	1	D7006
Platinum gauze catalyst strip, 20 x 200 mm, 325 mg	1	D7014
Platinum wire	1m	D9100

Nickel catalysts

Product	Pack	Cat no
Nickelised Carbon, 10% Ni, granular, 0.3 - 0.85 mm	5g	B1085
Nickelised Carbon, 20% Ni, granular, 0.3 - 0.85 mm	5g	B1006
Nickelised Carbon, 30% Ni, granular, 0.3 - 0.85 mm	5g	B1086
Nickelised Carbon, 40% Ni, granular, 0.3 - 0.85 mm	5g	B1087
Nickelised Carbon, 10% Ni, granular, 0.85 - 1.7 mm	5g	B1104
Nickelised Carbon, 20% Ni, granular, 0.85 - 1.7 mm	5g	B1105
Nickelised Carbon, 30% Ni, granular, 0.85 - 1.7 mm	5g	B1088
Nickelised Carbon, 40% Ni, granular, 0.85 - 1.7 mm	5g	B1106

Copper reduction reagents

Our copper reagents are hermetically sealed in ampoules to ensure high quality and a long shelf life. Elemental Microanalysis copper reagents have a very high oxygen capacity and are thermally treated to prevent expansion when converted to CuO. The high purity prevents tailing caused by absorption and desorption of gases caused by impurities in the copper (especially important in the analysis of sulphur). Carbon content (organic contaminants such as oil) is zero.

Product	Pack	Cat no
Copper granules, 0.1 - 0.5 mm	100g	B1013
Copper granules, 0.1 - 0.5 mm, pound pack	454g	B1084
Copper granules, 0.1 - 0.5 mm	500g	B1175
Copper wires, fine, 0.5 x 4 mm	100g	B1015
Copper wires, fine, 0.5 x 4 mm, pound pack	454g	B1083

Product	Pack	Cat no	Product	Pack	Cat no
Copper wires, fine, 0.5 x 4 mm	500g	B1176	Silver wool, very fine wire, reeled	10g	B1010
Copper wires, 0.5 x 4 mm, highest purity, for CHNS	40g	B1035	Silver wool, very fine wire, unreeled	10g	B1119
Copper wires for S analysis, coarse, high purity, reduced	40g	B1040	Silvered Cobaltous/ic Oxide, granular, 0.85 - 1.7 mm	25g	B1000
Copper wires, 0.5 x 4 mm, highest purity, for CHNS	100g	B1177			
Copper wires, 0.5 x 4 mm, highest purity, for CHNS	454g	B1178			
Copper turnings, fine long strands	100g	B1062			
Copper turnings, fine long strands	200g	B1107			
Copper turnings, extra fine long strands	100g	B1136			
Copper granules, silvered, 0.1 - 0.5 mm	100g	B1011			
Copper granules, silvered, 0.1 - 0.5 mm, 5 x 10g ampoules	50g	B1012			
Copper granules, fine, 0.05 - 0.2 mm	100g	B1108			
Copper granules, 0.3 - 0.85 mm	100g	B1137			
Copper granules, 0.3 - 0.85 mm, pound pack	454g	B1138			

Reagents for isotope analysis

The Elemental Microanalysis range is suitable for use in isotope analysers. However, due to the demanding nature of isotope work we have developed a range of products with a higher specification especially for isotope analysis.

Product	Pack	Cat no	Product	Pack	Cat no
Carbon, high purity, granular, 0.2 - 0.5 mm	1g	B1065	Carbon, high purity, granular, 0.3 - 0.85 mm	5g	B1043
Copper Oxide, fine wires, isotope grade, 0.5 x 4 mm	50g	B1080	Carbon, high purity, granular, 0.2 - 0.5 mm	1g	B1065
Copper Oxide, isotope grade, granular, 0.1 - 0.5 mm	50g	B1051	Carbon, high purity, granular, 0.85 - 1.7 mm	5g	B1111
Copper wire, 0.1 mm	12 x 300 mm	B1156	Nickel wool, fine wire	2g	B1007
Nickel Oxide, granular, 0.2 - 0.5 mm, isotope grade	25g	B1130	Nickelised Carbon, 10% Ni, granular, 0.3 - 0.85 mm	5g	B1085
Platinised Copper Oxide, 10% Pt, granular, isotope grade, 0.2 - 0.5 mm	2g	B1030	Nickelised Carbon, 20% Ni, granular, 0.3 - 0.85 mm	5g	B1006
Platinised Copper Oxide, 20% Pt, granular, isotope grade, 0.2 - 0.5 mm	2g	B1050	Nickelised Carbon, 30% Ni, granular, 0.3 - 0.85 mm	5g	B1086
Platinised Alumina, 10% Pt, granular, isotope grade, 0.2 - 0.5 mm	2g	B1096	Nickelised Carbon, 40% Ni, granular, 0.3 - 0.85 mm	5g	B1087
Platinised Alumina, 20% Pt, granular, isotope grade, 0.2 - 0.5 mm	2g	B1097	Nickelised Carbon, 50% Ni, granular, 0.3 - 0.85 mm	5g	B1181
Platinised Carbon, 10% Pt, granular, isotope grade, 0.2 - 0.85 mm	5g	B1005	Nickelised Carbon, 10% Ni, granular, 0.85 - 1.7 mm	5g	B1104
Platinised Carbon, 20% Pt, granular, isotope grade, 0.2 - 0.85 mm	5g	B1095	Nickelised Carbon, 20% Ni, granular, 0.85 - 1.7 mm	5g	B1105
1% Platinum/1% Nickel Oxide on copper oxide granules, 0.2 - 0.5 mm	5g	B1158	Nickelised Carbon, 30% Ni, granular, 0.85 - 1.7 mm	5g	B1088
3% Platinum/1% Nickel Oxide on copper oxide granules, 0.2 - 0.5 mm	5g	B1159	Nickelised Carbon, 40% Ni, granular, 0.85 - 1.7 mm	5g	B1106
1% Platinum/1% Nickel Oxide on copper oxide wires, isotope catalyst	5g	B1149	Nickelised Carbon, 50% Ni, granular, 0.85 - 1.7 mm	5g	B1182
3% Platinum/1% Nickel Oxide on copper oxide wires, isotope catalyst	5g	B1151	Platinised Carbon, granular, 10% Pt, isotope grade, 0.2 - 0.85 mm	5g	B1005
Quartz (silica) chips, turnings, isotope grade, 0.2 - 0.5 mm	50g	B1027	Platinised Carbon, granular, 20% Pt, isotope grade, 0.2 - 0.85 mm	5g	B1095
Silvered Copper Oxide, fine wires, isotope grade, 0.5 x 4 mm	50g	B1070	Platinum gauze catalyst strip, 12 x 150 mm, 260 mg	1	D7006
Silvered Copper Oxide, granular, isotope grade, 0.1 - 0.5 mm	50g	B1071	Platinum gauze catalyst strip, 20 x 200 mm, 325 mg	1	D7014

Interference removal reagents

Product	Pack	Cat no
Copper granules, silvered, 0.1 - 0.5 mm	100g	B1011
Copper granules, silvered, 0.1 - 0.5 mm, 5 x 10g ampoules	50g	B1012
Iron chips	100g	B1063
Lead Chromate, granular, 0.85 - 1.7 mm §	50g	B1029
Silver gauze, (welded in 4 places) 610mm x 76mm	1	B1026
Silver gauze fine, 60 mesh (linear inch), 150 x 150 mm	1	B1023
Silver gauze, fine, 60 mesh, 12.5 x 150 mm	1	B1037
Silver Oxide/Silver Tungstate on Chromosorb P, 30 - 60 mesh	25g	B1055
Silver Tungstate/Magnesium Oxide, granular, 0.85 - 1.7 mm	100g	B1036
Silver Vanadate reagent, granular, 0.85 - 1.7 mm	10g	B1009
Silver Vanadate reagent on Chromosorb A, granular, 20 - 30 mesh (linear inch)	10g	B1059

Pyrolysis catalysts and reagents

Product	Pack	Cat no
Carbon, high purity, granular, 0.3 - 0.85 mm	5g	B1043
Carbon, high purity, granular, 0.2 - 0.5 mm	1g	B1065
Carbon, high purity, granular, 0.85 - 1.7 mm	5g	B1111
Nickel wool, fine wire	2g	B1007
Nickelised Carbon, 10% Ni, granular, 0.3 - 0.85 mm	5g	B1085
Nickelised Carbon, 20% Ni, granular, 0.3 - 0.85 mm	5g	B1006
Nickelised Carbon, 30% Ni, granular, 0.3 - 0.85 mm	5g	B1086
Nickelised Carbon, 40% Ni, granular, 0.3 - 0.85 mm	5g	B1087
Nickelised Carbon, 50% Ni, granular, 0.3 - 0.85 mm	5g	B1181
Nickelised Carbon, 10% Ni, granular, 0.85 - 1.7 mm	5g	B1104
Nickelised Carbon, 20% Ni, granular, 0.85 - 1.7 mm	5g	B1105
Nickelised Carbon, 30% Ni, granular, 0.85 - 1.7 mm	5g	B1088
Nickelised Carbon, 40% Ni, granular, 0.85 - 1.7 mm	5g	B1106
Nickelised Carbon, 50% Ni, granular, 0.85 - 1.7 mm	5g	B1182
Platinised Carbon, granular, 10% Pt, isotope grade, 0.2 - 0.85 mm	5g	B1005
Platinised Carbon, granular, 20% Pt, isotope grade, 0.2 - 0.85 mm	5g	B1095
Platinum gauze catalyst strip, 12 x 150 mm, 260 mg	1	D7006
Platinum gauze catalyst strip, 20 x 200 mm, 325 mg	1	D7014
Quartz (silica) chips, turnings, 0.85 - 1.7 mm	50g	B1008
Quartz (silica) chips, turnings, 0.2 - 0.5 mm	50g	B1027
Quartz (silica) chips, turnings, 2 - 3 mm	250g	B1109
Quartz (silica) chips, turnings, 2 - 4 mm	250g	B1110

Miscellaneous materials

Product	Pack	Cat no
Adsorbent discs, 3.5 mm	100	E2105
Aluminium Oxide wool, fine	20g	B1089
Cotton wool, pure	100g	B1045
Glass wool, fine	50g	B1056
Glass wool, fine	227g	B1167
Glass wool, fine	454g	B1166
Glass wool, fine	500g	B1124
Nickel sheet lining, 0.15 x 130 x 130 mm	1	B1024
Nickel wool, catalyst for oxygen, fine wire	2g	B1007
Platinum sheet, 0.05 x 50 x 50 mm	1	D7012
Platinum sheet, 0.1 x 50 x 50 mm	1	D7013
Quartz (silica) wool, very pure, very fine	5g	B1017
Quartz (silica) wool, very pure, very fine	50g	B1102
Quartz (silica) chips, turnings, 0.85 - 1.7 mm	50g	B1008
Quartz (silica) chips, turnings, 0.2 - 0.5 mm	50g	B1027
Quartz (silica) chips, turnings, 2 - 3 mm	250g	B1109
Quartz (silica) chips, turnings, 2 - 4 mm	250g	B1110
Zirconium Oxide (zirconia) cloth, 70 x 609 mm	1	E2051
Platinum wire	1m	D9100

Combustion aids

Product	Pack	Cat no
Carbon, high purity, powder	5g	B4009
Carbon, high purity, powder	15g	B4008
Cobalt Oxide, additive, fine powder	10g	B4005
Copper Oxide, additive, fine powder	10g	B4003
Koerbl Catalyst for halogens	1g	B1032
Lead Oxide, red, additive, fine powder §	1g	B1039
Silver Oxide, additive, fine powder	1g	B4006
Silver Oxide/Silver Tungstate on Chromosorb P, 30 - 60 mesh (per linear inch)	25g	B1055
Tin, additive, fine powder	10g	B4002

continued overleaf

Product	Pack	Cat no
Tungstic Oxide, additive, fine powder	10g	B4000
Universal combustion additive, fine powder	1g	B4007
Vanadium Pentoxide, additive, fine powder §	10g	B4001

Other reagents

We can develop and manufacture other reagents for any kind of elemental analysis on request.

Gas doping reagents

Product	Pack	Cat no
Chloropentane, halogen doping §	10ml	B4004
Copper Sulphate, granular, suitable for water doping	50g	B1022
Copper Sulphate, granular, suitable for water doping	250g	B1114

Column packings

Product	Pack	Cat no
Molecular seive 5A, 50 - 80 mesh	100g	B3004
Molecular seive 5A, 80 - 100 mesh	100g	B3000
Molecular seive 5A, 100 - 120 mesh	100g	B3005
Porapak QS, 50 - 80 mesh	75ml	B3002
Porapak QS, 80 - 100 mesh	75ml	B3001
Porapak QS, 100 - 120 mesh	75ml	B3003

Absorbent materials

Product	Pack	Cat no
Adsorbent discs, 3.5 mm	100	E2105
Chromosorb P, acid washed, 30 - 60 mesh	10g	B3010
Chromosorb P, acid washed, 45 - 60 mesh	10g	B3011
Chromosorb P, acid washed, 60 - 80 mesh	10g	B3012
Chromosorb P, acid washed, 80 - 100 mesh	10g	B3013
Chromosorb P, acid washed, 100 - 120 mesh	10g	B3014
Chromosorb W, acid washed, 30 - 60 mesh	10g	B3015
Chromosorb W, acid washed, 80 - 100 mesh	10g	B3016

Scrubbing & purification reagents

Product	Pack	Cat no
Magnesium Perchlorate, granular, H ₂ O absorbent §	25g	B1019
Magnesium Perchlorate, granular, H ₂ O absorbent §	100g	B1101
Magnesium Perchlorate, granular, H ₂ O absorbent §	500g	B1081
Magnesium Perchlorate, granular, H ₂ O absorbent, self indicating §	25g	B1140
Magnesium Perchlorate, granular, H ₂ O absorbent, self indicating §	100g	B1141
Carbosorb, granular, 0.7 - 1.2 mm, CO ₂ absorbent, (14 - 22 mesh) §	25g	B1018
Carbosorb, granular, 0.7 - 1.2 mm, CO ₂ absorbent, (14 - 22 mesh) §	200g	B1100
Carbosorb, granular, 1.4 - 2.8 mm, CO ₂ absorbent, (6 - 12 mesh) §	25g	B1041
Carbosorb, granular, 1.4 - 2.8 mm, CO ₂ absorbent, (6 - 12 mesh) §	200g	B1180
Carbosorb, granular, 0.8 - 1.4 mm, CO ₂ absorbent, (12 - 20 mesh) §	25g	B1042
EMADrone, granular, 14 - 25 mesh, H ₂ O absorbent §	454g	B1161
EMASorb B, granular, 1.6 - 3 mm, CO ₂ absorbent §	25g	B1118
EMASorb B, granular, 1.6 - 3 mm, CO ₂ absorbent §	200g	B1117
EMASorb A, granular, 0.8 - 1.6 mm, CO ₂ absorbent §	25g	B1116
EMASorb A, granular, 0.8 - 1.6 mm, CO ₂ absorbent §	200g	B1115
EMASorb A, granular, 0.8 - 1.6 mm, CO ₂ absorbent §	500g	B1162
EMASorb B, granular, 0.8 - 1.6 mm, CO ₂ absorbent §	454g	B1164
Molecular seive 4A, pellets	25g	B1020
Molecular Sieve 3A, pellets	25g	B1021
Silica gel, drying agent, indicating, 0.78 - 2.8 mm	100g	B1044
Soda lime, granular, CO ₂ absorbent §	200g	B1189

quartz and glassware

We manufacture a huge range of different items for all elemental analysers. Please request information on the instrument you use for further details (see back page).

We also provide a custom glass blowing service - please enquire for details.



continued overleaf

oxygen flask combustion equipment

Oxygen flasks

Our oxygen flasks conform to BS2735 and are available in borosilicate or silica glass.

We can manufacture oxygen flasks in designs other than those listed if required. Please enquire for further information about this service.



Product	Pack	Cat no
Oxygen flask, borosilicate, 250 ml, B24	1	E2022
Oxygen flask, borosilicate, 500 ml, B24	1	E2023
Oxygen flask, borosilicate, 250 ml, B29	1	E2070
Oxygen flask, borosilicate, 500 ml, B29	1	E2071
Oxygen flask, borosilicate, 750 ml, B29	1	E2080
Oxygen flask, borosilicate, 500 ml, B34	1	E2106
Oxygen flask, transparent silica, 250 ml, B24, for flourine	1	E2073
Oxygen flask, transparent silica, 500 ml, B24, for flourine	1	E2026
Oxygen flask, transparent silica, 1000 ml, B24, for flourine	1	E2103
Oxygen flask, transparent silica, 250 ml, B29, for flourine	1	E2074
Oxygen flask, transparent silica, 500 ml, B29, for flourine	1	E2027
Oxygen flask, 750 ml, B29, for use with Heraeus oxygen flask combustion unit, borosilicate	1	E2072
Oxygen flask, 750 ml, B29, for use with Heraeus oxygen flask combustion unit, silica, for flourine determination	1	E2093

Oxygen flask stoppers

Available in borosilicate or silica glass.

We can manufacture oxygen flask stoppers in designs other than those listed below or attach platinum baskets as required. Please enquire for more details.



Product	Pack	Cat no
Stopper, borosilicate, B24, with hook	1	E2024
Stopper, borosilicate, B29, with hook	1	E2081
Stopper, transparent silica, B24, with hook	1	E2028
Stopper, transparent silica, B29, with hook	1	E2029

Platinum baskets for oxygen flask combustions

Elemental Microanalysis Limited's platinum baskets are of fully welded construction in 99.9% platinum. Edges and rims are folded and welded to reduce fraying.

Baskets are available for use in upright or inverted oxygen flasks.



Product	Pack	Cat no
Platinum basket for upright flask, platinum, 20 x 7 mm basket, 1 mm dia. stem 70 mm long, 2.2 g	1	D7005

Product	Pack	Cat no
Platinum basket for inverted flask, platinum, 20 x 7 mm basket, 1 mm dia. stem 70 mm long, 2.2 g	1	D7007

Platinum flags for oxygen flask combustions

Elemental Microanalysis Limited's platinum flags are of fully welded construction in 99.9% platinum. Edges and rims are folded and welded to reduce fraying.



Product	Pack	Cat no
Platinum flag, 15 x 30 mm, platinum, 1 mm dia. stem 70 mm long, 2.3 g	1	D7004

We can repair platinum baskets and flags at a fraction of the cost of a new replacement item. Please enquire for more information.

Platinum micro-crucible



Product	Pack	Cat no
Platinum micro-crucible, small handling lug, suitable for ashing, capacity 1 ml, height 13 mm, ID 12 mm, base 7.5 mm, weight 2 g	1	D7008
Platinum lid for D7008	1	D7009

We can also supply platinum crucibles in other sizes. Please enquire for details.

Other micro-chemical platinumware



Product	Pack	Cat no
Platinum gauze catalyst strip, 12 x 150 mm, weight 260 mg	1	D7006
Platinum gauze catalyst strip, 20 x 200 mm, weight 325 mg	1	D7014
Platinum sheet, 50 x 50 x 0.05 mm	1	D7012
Platinum sheet, 50 x 50 x 0.1 mm	1	D7013
Platinum wire, diameter 1 mm, length 150 mm	1	D7015

We can manufacture special items in platinum and supply platinum sheet, wire and gauze in other sizes and specifications. We can also repair platinumware at a fraction of the cost of a new replacement item. Please enquire for more information about either of these services.

continued overleaf

Oxygen flask combustion safety equipment

Although the oxygen flask combustion technique is widely accepted as a safe method it is advisable to take safety precautions against the rare and unexpected. Oxygen flask combustion should be carried out behind a safety screen and protective gloves and safety spectacles or goggles should be worn.



Product	Pack	Cat no
Safety screen for oxygen flask combustions (flat 6 mm polycarbonate screen with heavy base)	1	E2075
Safety gloves, kevlar, extended cuff, cut resistant, suitable for oxygen flask combustions (state S, M or L when ordering)	1 pair	E2076
Safety glasses, metal frame, conform to BS 2092:2	1	E2078

microanalytical tools and sundries

Disposable glass micro-pipettes

A range of graduated micro-sampling pipettes for loading liquids into smooth wall capsules. The graduations are a guide to the amount dispensed. For most liquids 1 microlitre is approximately 1 mg.

Supplied with mouthpiece, pipette connection and length of tubing. For efficient pipetting we recommend the use of our micro-pipette filler.

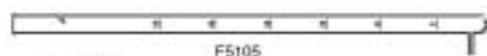


Product	Pack	Cat no
Micro-pipettes, disposable, calibrated 5 µlitre in divisions of 1 µlitre, borosilicate	250	E2008
Micro-pipettes, disposable, calibrated 5 microlitre, borosilicate	250	E2052
Micro-pipettes, disposable, calibrated 10 microlitre, borosilicate	250	E2053
Micro-pipettes, disposable, calibrated 20 microlitre, borosilicate	250	E2054
Micro-pipettes, disposable, calibrated 25 microlitre, borosilicate	250	E2009
Micro-pipettes, disposable, calibrated 50 microlitre, borosilicate	250	E2055
Micro-pipettes, disposable, calibrated 100 microlitre, borosilicate	250	E2056
Micro-pipette filler, for above	1	E2045

Pasteur (dropping) pipettes

Product	Pack	Cat no
Pipettes, Pasteur, glass, jet dia. 1.5 mm, jet length 60 mm, overall length 145 mm	250	E2057
Teat, pasteur pipettes, PVC with 1.5 ml uptake, 46 mm long x 15 mm OD, 7 mm bore	100	E2058

Bubble flowmeter, timers



Product	Pack	Cat no
Bubble flowmeter, 50 x 10 cc, for measuring gas flows in elemental analysers, complete with tubing, teat and magnetic clamps (Other sizes of flowmeter available - please enquire)	1	F5105
Snoop leak detecting fluid, also for use in bubble flowmeters	1	E2039
Digital stopwatch, hand held	1	E2060
Digital stop clock, bench version	1	E2061

Forceps



Product	Pack	Cat no
Forceps, blunt ends, stainless steel, length 130 mm	1	E2018
Forceps, straight ends, stainless steel, length 130 mm	1	E2017
Forceps, curved ends, stainless steel, 130 mm	1	E2016
Platinum tipped forceps, stainless steel with welded platinum tips slightly milled on inner faces, length 130 mm, recommended for handling platinum	1	D7010

Tongs



Product	Pack	Cat no
Platinum tipped tongs, length 200 mm, stainless steel with platinum shoes, for handling platinum	1	D7011
Tongs, stainless steel, length 200 mm	1	E2046

Micro-spatula



Product	Pack	Cat no
Micro-spatula, stainless steel, length 150 mm, width 3 mm, thin blade with turned up end, hexagonal stainless handle	1	E2000
Micro Spatula	1	F5103

Micro-dessicators

Ideal for use with platinum micro-crucibles and capsules. An optional platinum plate ensures the weight integrity of any hot platinumware placed on the surface.



Product	Pack	Cat no
Micro-dessicator, 50 mm diameter, stainless perforated plate, borosilicate glass cover	1	E2007
Borosilicate glass cover, spare for E2007	1	E2048
Perforated platinum plate, optional extra for E2007	1	E2049
Silica gel, granular, indicating, suitable for use with E2007	100g	B1044

Screw cap sample vials

A range of sample vials in clear glass complete with white bakelite screw caps. Supplied in small quantities for convenience.

Product	Pack	Cat no
Screw cap vial, 2 ml, 11.25 x 36 mm	10	E2082
Screw cap vial, 3.5 ml, 12.75 x 46 mm	10	E2083
Screw cap vial, 7 ml, 16.75 x 58 mm	10	E2084
Screw cap vial, 10 ml, 17.25 x 67 mm	10	E2085
Screw cap vial, 15 ml, 20.25 x 72 mm	10	E2086
Screw cap vial, 30 ml, 23.25 x 96 mm	10	E2087

Snap cap sample vials

A range of sample vials in clear glass complete with 22 mm polyethylene snap caps. Supplied in small quantities for convenience.

Product	Pack	Cat no
Snap cap vial, 7 ml, 23.25 x 34 mm	10	E2088
Snap cap vial, 10 ml, 24.5 x 41 mm	10	E2089
Snap cap vial, 15 ml, 25.25 x 48 mm	10	E2090
Snap cap vial, 20 ml, 26.25 x 60 mm	10	E2091
Snap cap vial, 30 ml, 27.5 x 72 mm	10	E2092

Miscellaneous items

Product	Pack	Cat no
Drill, 6.5 x 400 mm, tungsten carbide tipped, for drilling out copper from E2020 reduction tube, can be used with an electric drill or with our Tee bar E2042	1	E2041
Tee bar, for use with E2041 drill	1	E2042
Mole grips, miniature, for simple, inexpensive crimping of liquid samples in smooth wall capsules	1	E2043
Tubing, stainless steel, 2 mm outside diameter	5 m	E2033
Tubing, PTFE, 2 mm outside diameter	3 m	E2030
Multiwell plate, 96 x 0.37 ml cells, flat bottom	1	E2044
Multiwell plate, 96 x 0.37 ml cells, round bottom	1	E2062
Multiwell plate, 48 x 1.5 ml cells, flat bottom	1	E2063
Multiwell plate, 24 x 3.4 ml cells, flat bottom	1	E2064
Multiwell plate, 12 x 6.9 ml cells, flat bottom	1	E2065
Multiwell plate, 6 x 16.8 ml cells, flat bottom	1	E2066

LITERATURE REQUEST FAXBACK FORM

For full details of all the products we supply for your instrument please copy this page and fax it back to us.

+44 (0)1837 54544 or your local dealer:

Micro/CHN(OS) Instruments

- ThermoFinnigan **Flash EA™ 1112 CHNOS**
- ThermoFinnigan **Flash EA™ 1112 NC/S**
- ThermoFinnigan (Carlo Erba/Fison) **EA1110**
- ThermoFinnigan (Carlo Erba/Fison) **EA1108**
- ThermoFinnigan (Carlo Erba/Fison) **EA1106**
- ThermoFinnigan (Carlo Erba/Fison) **EA1102/1104**
- ThermoFinnigan (Carlo Erba/Fison) **NA2500 N/NC/NCS**
- ThermoFinnigan (Carlo Erba/Fison) **NA1500 (Series 1&2)**
- Perkin Elmer **2400**
- Perkin Elmer **240 Series ABC**
- Perkin Elmer **440**
- Perkin Elmer **2410**
- Exeter Analytical (CEC) **CE440**
- Exeter Analytical (CEC) **240**
- Europa **Roboprep**
- Europa **Anca**
- Europa **Integra**
- Elementar (Foss Heraeus) **Vario EL**
- Elementar (Foss Heraeus) **CHN Rapid**
- EuroVector **EA3000**
- Leco® **CHN-900**
- Leco® **CHN-932**
- Leco® **CHN-1000**
- Leco® **CHN-2000**

N/Protein Instruments

- ThermoFinnigan **Flash EA™ 1112 Nitrogen/Protein**
- ThermoFinnigan (Carlo Erba/Fison) **NA2100**
- ThermoFinnigan (Carlo Erba/Fison) **NA2000**
- ThermoFinnigan (Carlo Erba/Fison) **NA1400**
- Leco® **FP-228**
- Leco® **FP-328**
- Leco® **FP-428**
- Leco® **FP-528**
- Leco® **FP-2000**
- Elementar (Foss Heraeus) **Rapid N**

Organic Carbon/Sulphur Instruments

- Leco® **SC-144**
- Leco® **SC-232**
- Leco® **SC-132**
- Leco® **SC-32**
- Leco® **SC-432**
- Leco® **CR-12**
- Leco® **CR-412**
- Leco® **SC-444**
- Eltra **CS-500**

Inorganic Instruments

- Leco® **CS-125** Leco® **IR-212**
- Leco® **C-200** Leco® **IR-232**
- Leco® **S-200** Leco® **IR-432**
- Leco® **CS-225** Leco® **RO-116**
- Leco® **CS-200** Leco® **RO-300**
- Leco® **CS-244** Leco® **RO-416**
- Leco® **CS-344** Leco® **TN-114**
- Leco® **CS-300** Leco® **TN-300**
- Leco® **CS-400** Leco® **TN-414**
- Leco® **CS-444** Leco® **WC-200**
- Leco® **RH-402** Leco® **WR-112**
- Leco® **RH-404** Horiba **EMIA 220V**
- Leco® **TC-136** Horiba **EMIA 320V**
- Leco® **TC-300** Horiba **EMIA 820V**
- Leco® **TC-336**
- Leco® **TC-436**

Name

Organisation

Address

Tel

Fax

E-mail

Trace Instruments

- Dohrmann **MCTS20/30**
- Dohrmann **MCTS120/130**
- Dohrmann **DN10/100**
- Dohrmann **DC190**
- Dohrmann **DC1900**
- Dohrmann **DX20**



"the centre of excellence in elemental analysis"