



ROWE SCIENTIFIC
PTY LTD www.rowe.com.au

For accuracy and professionalism

*Providing laboratory supplies
to the scientific community
across Australia since 1987.*

*We are proudly a 100%
Australian owned company.*



XRF - XRD Sample Preparation

Rowe Scientific are now exclusively supplying the SOMAR brand of Australian made XRF pellet cups.

We have purchased the assets of SOMAR Australia and incorporated their pellet cup manufacturing into our Perth Facility.



Australian made aluminium XRF pellet cups are available in the following sizes.

| ROWE CODE | DESCRIPTION | UNIT |
|-----------|--|------|
| XP1150 | XRF pellet cups, aluminium, 31mm tapered (3230) (box of 1000) | 1000 |
| XP1001 | XRF pellet cups, 30mm diameter with straight sides, aluminium with outside painted white (box of 2000) | 2000 |
| XP1200 | XRF Pellet cups, 40mm diameter with tapered sides, aluminium with outside painted white (box of 1000) | 1000 |
| XP1205 | XRF pellet cups, 32mm diameter with tapered sides, aluminium with outside painted white (box of 1000) | 1000 |
| CX0065 | XRF pellet cups, 33mm diameter with straight sides, aluminium with outside painted white (box of 1000) | 1000 |
| XP1050 | XRF pellet cups, 33mm diameter with straight sides, aluminium with outside painted white (box of 1500) | 1500 |
| CX0066 | XRF pellet cups, 35mm diameter with tapered sides, aluminium with outside painted white (box of 1000) | 1000 |
| XP1100 | XRF pellet cups, 38mm diameter with straight sides, aluminium with outside painted white (box of 1000) | 1000 |
| XP1160 | XRF pellet cups, 40mm diameter with straight sides, aluminium with outside painted white (box of 1000) | 1000 |

Also available:

| | | |
|--------|--------------------------|------|
| CB1100 | Boric acid GLR | 3kg |
| CW1015 | Licowax C Micropowder PM | 20kg |

Grind and Pelletising additives



- Reduce particles to uniform size and distribution
- Promote sample homogeneity
- Transform powders into plasticised pellets
- Resolve sample pellet chipping or flaking

Certified Reference Materials



- Reference materials from all major worldwide sources



XRF Liquid Cups

These cups allow the analysis of solutions by XRF, and fit all common makes of XRF instruments, including X-Unique II, PW2400, PW2404, Axios, and many PANalytical instruments.

- Free trial samples available
- Very cost competitive.
- Avoids cross contamination between samples - cups are disposable.
- Made from polypropylene - chemically inert.
- Packaged under clean room conditions - free from silica and other airborne particulates.

**FREE
SAMPLES**
CONTACT US TODAY



XP1005

This press is specially made by Rowe Scientific to uniformly apply pressure to sample cups, reducing misalignment while maintaining film integrity.

The handle mechanism reduces hand stress and provides even pressure in sample preparation.

| ROWE CODE | DESCRIPTION | UNIT |
|-----------|--|-------|
| XP1005 | Press, XRF liquid cup, manual handle, suits all sized cups, tube steel | each |
| XC1005 | Cup, XRF, liquid (clear) (Rowe) lid O.D. = 45.7mm, body I.D. = 35.5mm | 1,000 |
| XC1006 | Cup, XRF, liquid (grey) (Rowe) lid O.D. = 45.7mm, body I.D. = 35.5mm | 1,000 |
| XC1007 | Cup, XRF, liquid (orange) (Rowe) lid O.D.=45.7mm, body I.D.=35.5mm | 1,000 |

For use with thin films

To find out more or to acquire your FREE samples, call your local Rowe Scientific Pty Ltd office

Ultrasonic Baths and citric acid.

Available in various sizes. We can provide the best solution for your application. Call us now.

Thin-Film Sample Support Windows

Once only available in continuous sheets, Mylar® thin films now come in continuous rolls, pre-perforated rolls and pre-cut circles in a variety of materials.

Mylar

Available in **2.5, 3.6, 6, and 12.7** micron sizes.

| ROWE CODE | DESCRIPTION | UNIT |
|-----------|---|------|
| XX1015 | XRF Mylar 2.5µm thin film, continuous roll 76.2mm x 91.4m | ROLL |
| XM0001 | XRF Mylar 3.6µm thin film, pre-cut circles 63.5mm | 1000 |
| XM1456 | XRF Mylar 6µm thin film, continuous roll 76.2mm x 91.4m | ROLL |
| XX1009 | XRF Mylar 6.0µm thin film, pre-cut circles 76.2mm | 100 |
| XM1445 | XRF Mylar 12.7µm thin film, pre-cut circles 76mm | 1000 |

Polypropylene

Available in **4, 5, 6.3, 8, 12.7, 25.4, 76.2 and 127** micron. In a wide variety of sizes and formats

| ROWE CODE | DESCRIPTION | UNIT |
|-----------|--|------|
| XX0006 | XRF polypropylene 6.0µm thin film, continuous roll 76.2mm x 91.4m | ROLL |
| XP1500 | XRF polypropylene film 5µm, continuous roll 76.2mm x 91.4m (3720-r3) | ROLL |

Prolene

Available in **3 and 4** micron, rolls or pre-cut Spectro Membrane carrier frames.

| ROWE CODE | DESCRIPTION | UNIT |
|-----------|--|------|
| XP1520 | XRF prolene 4.0 µm thin film, continuous roll 76.2mm x 91.4m | ROLL |
| XX1010 | XRF prolene 4.0 µm thin film, pre-cut circles 76.2mm | 100 |

PTFE Microporous Film

Available in a 5m x 63.5mm roll.

KAPTON polyimide

Available in 7.6 and 12.7 micron in a wide variety of sizes and formats.

Polycarbonate Two

(2 micron) is available in roll, sheet and circles with Polycarbonate Five (5 micron) available in 76mm square sheets.

On offer for the first time in Australia.

SpectroPulverizer®

In-Field Sample Grinding and Pelletizing Kit



The SpectroPulverizer® Portable Sample Grinder/Pelletizer Kit is used to prepare samples in-the-field and used in conjunction with any hand-held portable XRF analyzer.

Portability offers the flexibility of use as a mobile laboratory for “in-field” preparations and analysis of samples taken from one or multiple location sites without loss of time for results.

The SpectroPulverizer® combination grinder and pelletizer is uniquely designed with integrated double-sided sample chambers. One chamber is designed for grinding samples into very fine powders and the opposite chamber for pelletizing the ground samples into firm durable pellets supported by re-usable stainless steel rings. Sample preparation is extremely energetic, efficient and amazingly fast. The lightweight hand-held unit operates on a long lasting rechargeable 12V Li-ION battery.

The SpectroPulverizer® Kit contains all essential items in individual sculptured dense foam compartments contained in a rugged carrying case that contains:

- Portable Grinder/Pelletizer
- Sample chamber, base and plunger
- 12V Li-ION Battery and recharger
- Stainless steel re-usable pellet rings (3)
- SpectroVial® brand vials: (8) 20cm³ vials
- SpectroBlend® grinding additive (25) ½ gram tablets
- Carrying case

® SpectroPulverizer, SpectroVial, SpectroBlend and Chemplex are registered trademarks of Chemplex Industries, Inc.



| ROWE CODE | DESCRIPTION | SIZES |
|-----------|--|-------|
| XS0007 | Spectropulverizer® in-field sample grinding and pelletizing kit, grinding volume 1.81in ³ (29.6cm ³), pellet dia 1.26" (32mm) | 32 mm |
| XS0008 | Spectropulverizer® in-field sample grinding and pelletizing kit, grinding volume 2.16in ³ (35.4cm ³), pellet dia 1.38" (35mm) | 35 mm |
| XS0009 | Spectropulverizer® in-field sample grinding and pelletizing kit, grinding volume 2.82in ³ (46.2cm ³), pellet dia 1.57" (40mm) | 40 mm |



South Australia & NT
Ph: (08) 8186 0523
rowesa@rowe.com.au

Queensland
Ph: (07) 3376 9411
roweqld@rowe.com.au

Victoria & Tasmania
Ph: (03) 9701 7077
rowevic@rowe.com.au

Western Australia
Ph: (08) 9302 1911
rowewa@rowe.com.au

New South Wales
Ph: (02) 9603 1205
rowensw@rowe.com.au

*Prices do not include GST and only while stock lasts. We reserve the right to change specifications, details and descriptions without notice. Pictures for illustrative purposes only. Discounts do not apply to service, freight and or repair charges.



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