

Specialised Metal Salts for Laboratory Reagents



The range and assurance manufacturers need

Our clients rely on us to provide specialised and high quality metal-based products for reagents and with decades of experience, we understand how to meet exacting service as well as product standards.

A significant part of the Celtic Chemicals' product range is manufactured and tested in-house by our highly experienced teams and we are able to develop and supply quantities from 1kg to 100's of kilogrammes so that our clients can offer the niche products required.



The Manufacturing & Analysis Techniques

Our manufacturing techniques include:

- Precipitation
- Crystallization
- Simple neutralisation & two-stage neutralisation
- Controlled thermal dehydration

Raw materials for production and finished goods are analysed by a range of techniques, including:

- Atomic Absorption Spectrophotometry, with vapour generation
- ICP-OES
- Volumetric Analysis

The Mineral Products

NH₄ Ammonium	Ba ⁵⁶ Barium	Bi ⁸³ Bismuth	Ca ²⁰ Calcium	Cr ²⁴ Chromium	Co ²⁷ Cobalt	Cu ²⁹ Copper	I ⁵³ Iodine	Fe ²⁶ Iron	Pb ⁸² Lead
Li ³ Lithium	Mg ¹² Magnesium	Mn ²⁵ Manganese	Mo ⁴² Molybdenum	Ni ²⁸ Nickel	K ¹⁹ Potassium	Se ³⁴ Selenium	Ag ⁴⁷ Silver	Na ¹¹ Sodium	Sr ³⁸ Strontium
Sn ⁵⁰ Tin	Zn ³⁰ Zinc								

The Process

We will work with you to assess your precise requirements and can provide a sample, with full documentation, for your evaluation. Materials are dispatched in accordance with procedures prescribed in our integrated Quality Management System.

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NH₄

Ammonium

Ammonium Citrate Dibasic
Ammonium Cobalt Phosphate (1 Hydrate & Anhydrous)
Ammonium Cobalt Sulphate 6 Hydrate
Ammonium Cupric Chloride 2 Hydrate
Ammonium Cupric Sulphate 6H₂O
Ammonium Ferric Oxalate 3H₂O
Ammonium Ferric Sulphate 12 Hydrate
Ammonium Ferrous Sulphate 6 Hydrate
Ammonium Heptamolybdate 4 Hydrate
Ammonium Hexachlorostannate (IV)
Ammonium Iodide
Ammonium Magnesium Phosphate 6 Hydrate
Ammonium Nickel Sulphate 6 Hydrate

Co

Cobalt

27

Ammonium Cobalt Phosphate (1 Hydrate & Anhydrous)
Ammonium Cobalt Sulphate 6 Hydrate
Cobalt Acetate (4 Hydrate & Anhydrous)
Cobalt Benzoate
Cobalt Bromide (6 Hydrate & Anhydrous)
Cobalt Carbonate Powder
Cobalt Chloride (6 Hydrate & Anhydrous)
Cobalt Citrate 2 Hydrate
Cobalt Dihydrogen Phosphate Hydrated
Cobalt Gluconate 4 Hydrate
Cobalt Hexamethylenetetramine
Cobalt Hydroxide
Cobalt Nitrate 6 Hydrate
Cobalt Nitrate Solution
Cobalt Oxalate (2 Hydrate & Anhydrous)
Cobalt Phosphate (8 Hydrate & Anhydrous)
Cobalt Sulphamate 4 Hydrate
Cobalt Sulphate (7 Hydrate & Anhydrous)
Cobalt Thiocyanate (Hydrated & Anhydrous)

Ba

Barium

56

Barium Bromate Anhydrous
Barium Bromide 2 Hydrate
Barium Chromate
Barium Manganate 90%
Barium Selenite
Barium Tartrate

Bi

Bismuth

83

Bismuth Citrate
Bismuth Nitrate 5 Hydrate
Bismuth Oxide
Bismuth Subcarbonate
Bismuth Subgallate
Bismuth Subnitrate
Bismuth Subsalcylate
Bismuth Sulphate
Bismuth Tri-iodide

Cu

Copper

29

Copper (II) 2,4-pentanedionate
Copper (II) 2-ethylhexanoate
Copper Tetrammine Sulphate 1 Hydrate
Cupric Acetate (1 Hydrate & Anhydrous)
Cupric Benzoate
Cupric Bromide
Cupric Carbonate
Cupric Chloride (2 Hydrate & Anhydrous)
Cupric Formate 4 Hydrate
Cupric Nitrate 3 Hydrate
Cupric Oxalate 1/2 Hydrate
Cupric Oxide
Cupric Phosphate
Cupric Sulphate (5 Hydrate & Anhydrous)
Cuprous Bromide
Cuprous Chloride
Cuprous Iodide
Cuprous Oxide

Ca

Calcium

20

Calcium Acetate Pure
Calcium Carbonate (Light & Heavy)
Calcium Chloride 2 Hydrate
Calcium Oxalate H₂O

Cr

Chromium

24

Chromium Chloride 6 Hydrate
Chromium Nitrate 9 Hydrate
Chromium Sulphate 4-Hydrate

Fe

Iron

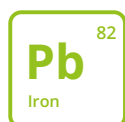
26

Ammonium Ferric Oxalate 3H₂O
Ammonium Ferric Sulphate 12 Hydrate
Ammonium Ferrous Sulphate 6 Hydrate
Ferric Nitrate 9 Hydrate
Ferrous Oxalate Dihydrate
Ferrous Sulphate (7 Hydrate & Dried)

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Ammonium Iodide
Iodine Ph Eur IV
Potassium Iodate
Potassium Iodide
Potassium Periodate 99.5%
Sodium Iodate
Sodium Iodide
Sodium Metaperiodate



Lead (II) Citrate 3 Hydrate
Lead (IV) Oxide
Lead 2,4-dihydroxybenzoate
Lead Acetate (3 Hydrate & Solution for sugar analysis)
Lead Acetophthalate
Lead Bromide
Lead Carbonate
Lead Chloride
Lead Chromate
Lead II (Oxide & IV Oxide)
Lead Iodide
Lead Nitrate
Lead Salicylate
Lead Stannate
Lead Sulphate
Lead Tartrate



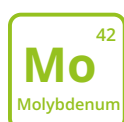
Lithium Acetate Dihydrate
Lithium Bromide
Lithium Carbonate
Lithium Chloride Anhydrous
Lithium Citrate 4 Hydrate
Lithium Fluoride, 97%
Lithium Formate Hydrate
Lithium Hydroxide 1 Hydrate
Lithium Lactate
Lithium Nitrate Anhydrous
Lithium Sulphate



Ammonium Magnesium Phosphate 6 Hydrate
Magnesium Acetate 4 Hydrate
Magnesium Bromide (6 Hydrate & Anhydrous)
Magnesium Carbonate (Medium Heavy & Heavy)
Magnesium Chloride (6 Hydrate & Anhydrous)
Magnesium Hydroxide
Magnesium Nitrate 6 Hydrate
Magnesium Oxide (Granular & Heavy)
Magnesium Sulphate (7 Hydrate, Anhydrous & Dried)



Manganese Acetate (4-Hydrate & Anhydrous)
Manganese Bromide (4 Hydrate & Anhydrous)
Manganese Chloride 4 Hydrate
Manganese Dioxide
Manganese Oxalate 2 Hydrate
Manganese Nitrate
Manganese Sulphate 1 Hydrate Ph Eur
Manganese Sulphate 4 Hydrate



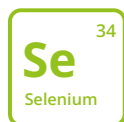
Ammonium Heptamolybdate 4 Hydrate



Ammonium Nickel Sulphate 6 Hydrate
Nickel Acetate 4 Hydrate
Nickel Bromide (Hydrated & Anhydrous)
Nickel Carbonate
Nickel Chloride (6 Hydrate & Anhydrous)
Nickel Citrate Hydrate
Nickel Formate 2 Hydrate
Nickel Gluconate
Nickel Glycinate
Nickel Lactate 4 Hydrate
Nickel Nitrate 6 Hydrate
Nickel Oxide (Black & Green)
Nickel Sulphate 6 Hydrate



Potassium Bicarbonate
Potassium Bromate
Potassium Bromide
Potassium Carbonate Anhydrous
Potassium Chloride
Potassium Chromate
Potassium Citrate
Potassium Dichromate
Potassium Ferricyanide
Potassium Ferrocyanide 3 Hydrate
Potassium Permanganate

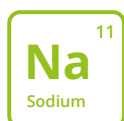


Sodium Selenate Anhydrous
Sodium Selenite Anhydrous

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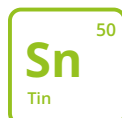
Silver (I) Oxide
Silver Acetate
Silver Carbonate
Silver Chloride
Silver Citrate
Silver Iodide
Silver Nitrate
Silver Nitrate
Silver Perchlorate Monohydrate
Silver Sulphate



Sodium Acetate (3 Hydrate & Anhydrous)
Sodium Bicarbonate
Sodium Carbonate Anhydrous NF/EP Fine Granular
Sodium Carbonate Anhydrous NF/EP Fine Powder
Sodium Chloride
Sodium Chromate Anhydrous
Sodium Dichromate Anhydrous
Sodium Fluoride
Sodium Molybdate
Sodium Sulphate Anhydrous
Sodium Sulphate Anhydrous Granular A.C.S.
Sodium Sulphite Anhydrous
Sodium Tartrate 2 Hydrate
Sodium Tungstate 2 Hydrate
Tri Sodium Citrate 2 Hydrate
Tri Sodium Phosphate 12 Hydrate



Strontium Bromide 6 Hydrate
Strontium Carbonate
Strontium Chloride 6 Hydrate
Strontium Chromate
Strontium Nitrate



Stannous Chloride (2 Hydrate & Anhydrous)
Stannous Oxalate



Zinc Acetate (2 Hydrate & Anhydrous)
Zinc Bromide Anhydrous
Zinc Bromide Solution
Zinc Carbonate
Zinc Chloride Anhydrous
Zinc Formate (2 Hydrate & Anhydrous)
Zinc Iodide
Zinc Nitrate 6 Hydrate
Zinc Oxide
Zinc Sulphate (1 Hydrate & 7 Hydrate)