

Volumetric Solutions



Made in
Manchester



About Us

Atom Scientific is a leading UK Manufacturer of IVDR Diagnostic Stains and Reagents, Chemicals, Volumetrics and Buffer Solutions, supported by an extensive range of consumables from leading brands.

We offer Simple and Reliable Solutions for Science, servicing customers in over 60 countries throughout the world.

We aim to make our customer's experience, friendly, efficient and focused on their needs.

Vision

We offer the building blocks for any scientific laboratory and the science they support.

Our vision is to offer our customers a real independent partner for their day-to-day needs, driven by exceptional quality, friendly and responsive service, strong technical support, with minimal bureaucracy.

Mission

To deliver Simplicity for Science

By doing everything in-house, we make it very simple to source your chemicals and general laboratory requirements from a professional and responsive partner you can rely on.

Values

Caring

We are a friendly bunch of people. We care about our colleagues, creating a diverse and inclusive working environment.

Entrepreneurial

We make things happen and never give in, finding solutions for our customers. If there is an issue we will sort it. We accept that change is constant, so we are flexible and open to change.

Giving

Business can be a force for good. We make time to say thanks. We believe in giving back. We are giving our people the opportunity to step up.



Contact Us

+44 (0) 161 366 5123

sales@atomscientific.com

+44 (0) 1704 33 7167

www.atomscientific.com

Orders

Orders can be placed On-Line, by Email or by Fax.

orders@atomscientific.com

All orders must include Delivery and Invoice Address and product information as follows:

- Product Code
- Product Name
- Pack Size
- Qty
- Price

All prices on the website or in price lists are quoted ex-works on an E,O&E basis.

Technical

Atom provides a Technical Resource on our website, where the following can be downloaded:

- Material Safety Data Sheet (MSDS)
- Certificate of Conformity
- Certificate of Analysis
- Product Protocols

If we hold a Technical email address for you, a full MSDS will be emailed automatically at the point of despatch.

If you need technical assistance, please contact:

technical@atomscientific.com



ISO13485 compliant products
simply delivering consistency
and reliability to **Life Sciences**

Index

Packaging	4
About Volumetrics	5
Testing	6-7
Volumetrics	9-19
Base Chemicals	20-23
Beakers	28
Burettes & Pipettes	24
Flasks	26
Measuring Cylinders	27
Retort Stands	30-31
Volumetric Flasks	25
Wash Bottles	29

www.atomscientific.com

Packaging

We offer two standard packing types for our Volumetric Solutions:



With a GL45 neck, Kautex UN Approved HDPE Plastic Bottles offer the strongest and safest shipping option for chemicals



With a GL45 neck, wide-neck Amber Winchester Bottles are more suited to certain chemicals that may be light-sensitive



Strong Fibreboard Outers and appropriate cushion packaging are used to ship all products.

Where required UN Certified Boxes are used.



UN Certified Egg Shell Packaging is bespoke manufactured to protect glass bottles in transit

NEW



Bag-In-Box Dispensers
Now Available

About Volumetrics

A Volumetric solution is defined as a solution that contains a specific quantity of solute (chemical/compound) per stated unit of solvent (often water).

This is usually given in moles per litre or molarity (M).

They are essential for volumetric analysis, most commonly in titration (manual or automatic) where knowing the exact concentration is crucial.

Applications can be found in many diverse industries:

- Water Treatment Industry
- Dairy Industry
- Food processing
- Textile manufacturing
- Petroleum refining & biodiesel manufacture
- Pharmaceutical manufacture and testing

Manufacturing & Quality Control

Atom only sources high-quality raw materials from known and approved suppliers.

All manufacturing is carried out under strict manufacturing protocols using high purity 18MΩ-cm resistivity water. This ensures minimum levels of non-analytes.

Prior to release for sale, each batch is tested in our in-house Chemistry QC Laboratory and a batch-specific Certificate of Analysis is created.

A sample of each batch is retained under appropriate storage conditions for the shelf life of the product.

Testing Regime

Case study of VM1009 Hydrochloric Acid 0.1M (0.1N)

This typical volumetric will undergo QC testing multiple times from the arrival:

- All raw materials/concentrates are checked for strength on receipt
- All supplier batch C of A's are checked and verified to our specification
- Water Quality is monitored daily and independently tested monthly
- Testing at point of manufacture

All testing is carried out following the principles laid down in **ISO 17034:2016(E)**.

The Certificate of Analysis for this product will show:

- Tested concentration
- Error value (variation)
- Batch Number
- Date of Manufacture
- Expiry Date

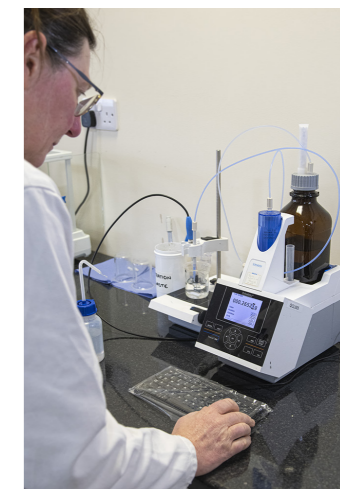
This Follows the principles laid out in **ISO GUIDE 31:2015**



Testing

The concentration is measured by auto-titration to ensure the best accuracy possible.

The auto-titrator is computer-controlled and capable of measuring changes far smaller than traditional manual titration and so is capable of very consistent and accurate results.



Error Values

Sometimes the Technical Team get asked about values quoted on certificates of analysis.

Whilst all measurements carry some form of error (sometimes called resolution), we only use equipment that has a very high resolution which means it can measure very small values.

When several pieces of equipment are used the errors for every piece have to be calculated and used to produce the overall error or variation for a measurement (Atom follows the principles of JCGM 100:2008 Evaluation of measurement data).

COMING SOON

Traceable to NIST volumetric range

Atom Scientific is currently developing a range of NIST traceable acid-base titration volumetrics.

These premium solutions will offer enhanced quality control via extensive error reporting and knowledge that all quoted values have NIST traceability.

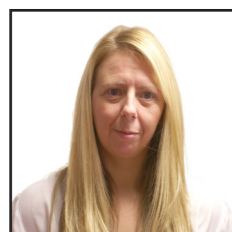
Experts in Shipping

Atom Scientific ships to **over 100 countries globally each year** and due to the complexity and hazardous nature of our products we have a specialist team of experts qualified in Air (IATA), Road (ADR) and Sea (IMDG) Shipping.

Meet the Team



Peter Keenan
(30 years)



Joanne Matthews
(8 years)



Elise Foisseau
(2 years)



Lauren Booth
(2 Years)



Samual Readett
(1 year)

DGSA

Our team are supported by an external DGSA, DGSA Tech, one of the UK's leading DGSA companies.

DGSA Tech also provides our annual Dangerous Goods Awareness training program given to our wider team to ensure our whole team has a strong and up-to-date understanding of shipping dangerous goods.

Shipment Methods

From One Box to 60 Pallets, our team have strong relationships with the best and most efficient freight forwarders in the industry.

Export Documents

As a member of the British Chamber of Commerce, our team will provide all necessary legal paperwork, including relevant export licenses to ensure shipments clear local customs efficiently.

Volumetric Solutions



A highly accurate and precisely manufactured range of Volumetric Solutions

- Accurate and reliable titration result
- Efficient and stable
- Consistent quality

Acetic Acid Solution 0.10M (0.1N)

The Titration Result Range for this product is 0.0098 - 0.0102M

Code	Pack
VM8006-D	500ml
VM8006-E	1L
VM8006-F	2.5L
VM8006-G	5L

Acetic Acid Solution 0.25M (0.25N)

The Titration Result Range for this product is 0.245 - 0.255M

Code	Pack
VM8007-D	500ml
VM8007-E	1L
VM8007-F	2.5L
VM8007-G	5L

Acetic Acid Solution 0.5M (0.5N)

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM8008-D	500ml
VM8008-E	1L
VM8008-F	2.5L
VM8008-G	5L

Acetic Acid Solution 1.0M (1.0N)

The Titration Result Range for this product is 0.98 - 1.02M

Code	Pack
VM8005-D	500ml
VM8005-E	1L
VM8005-F	2.5L
VM8005-G	5L
VM8005-G-B	5L Dispenser

Acetic Acid Solution 2.0M (2.0N)

The Titration Result Range for this product is 0.196 - 0.204M

Code	Pack
VM8050-D	500ml
VM8050-E	1L
VM8050-F	2.5L
VM8050-G	5L
VM8050-G-B	5L Dispenser

Acetic Acid Solution 5.0M (5.0N)

The Titration Result Range for this product is 4.90 - 5.10M

Code	Pack
VM8009-D	500ml
VM8009-E	1L
VM8009-F	2.5L
VM8009-G	5L

Burettes

Featuring a long, graduated glass tube with a stopcock on its lower end for liquid measurement.



Acetic Acid Solution 6.0M (6.0N)

The Titration Result Range for this product is 5.88 - 6.12M

Code	Pack
VM8010-D	500ml
VM8010-E	1L
VM8010-F	2.5L
VM8010-G	5L

Volumetric Solutions

Copper (II) Sulphate 0.1M Solution

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM6201-D	500ml
VM6201-E	1L
VM6201-F	2.5L

EDTA (Di Sodium Salt) Solution 0.05M (0.1N)

The Titration Result Range for this product is 0.049 - 0.051M

Code	Pack
VM2525-D	500ml
VM2525-E	1L
VM2525-F	2.5L
VM2525-G	5L
VM2525-G-B	5L Dispenser

Copper (II) Sulphate 0.5M Solution

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM6202-D	500ml
VM6202-E	1L
VM6202-F	2.5L

EDTA Solution 0.01M (0.02N)

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM2530-D	500ml
VM2530-E	1L
VM2530-F	2.5L
VM2530-G	5L

EDTA (Di Sodium Salt) 0.1M (0.2N) Solution

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM1122-D	500ml
VM1122-E	1L
VM1122-F	2.5L
VM1122-G	5L

EDTA Solution 0.02M (0.04N)

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM2540-D	500ml
VM2540-E	1L
VM2540-F	2.5L
VM2540-G	5L

EDTA (Di Sodium Salt) 0.5M (1.0N) Solution pH 8.0

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM7767-D	500ml
VM7767-E	1L
VM7767-F	2.5L
VM7767-G	5L
VM7767-G-B	5L Dispenser

Formic Acid Solution 0.1M (0.1N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM9003-D	500ml
VM9003-E	1L
VM9003-F	2.5L
VM9003-G	5L

Formic Acid Solution 1.0M (1.0N)

The Titration Result Range for this product is 0.98 - 1.02M

Code	Pack
VM9002-D	500ml
VM9002-E	1L
VM9002-F	2.5L
VM9002-G	5L

Volumetric Solutions

Formic Acid Solution 4.0M (4.0N)

The Titration Result Range for this product is 3.92 - 4.08M

Code	Pack
VM2001-D	500ml
VM2001-E	1L
VM2001-F	2.5L
VM2001-G	5L

Formic Acid Solution 14.0M (14.0N)

The Titration Result Range for this product is 13.8 - 14.20M

Code	Pack
VM9004-D	500ml
VM9004-E	1L
VM9004-F	2.5L
VM9004-G	5L

Hydrochloric Acid in Ethanol Solution 0.05M (0.05N)

The Titration Result Range for this product is 0.049 - 0.051M

Code	Pack
VM5667-D	500ml
VM5667-E	1L
VM5667-F	2.5L

Hydrochloric Acid Solution 0.01M (0.01N)

The Titration Result Range for this product is 0.0098 - 0.0102M

Code	Pack
VM1278-D	500ml
VM1278-E	1L
VM1278-F	2.5L
VM1278-G	5L
VM1278-G-B	5L Dispenser

Hydrochloric Acid Solution 0.02M (0.02N)

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM1279-D	500ml
VM1279-E	1L
VM1279-F	2.5L
VM1279-G	5L

Hydrochloric Acid Solution 0.05M (0.05N)

The Titration Result Range for this product is 0.049 - 0.051M

Code	Pack
VM5668-D	500ml
VM5668-E	1L
VM5668-F	2.5L
VM5668-G	5L

Hydrochloric Acid Solution 0.1M (0.1 N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM1009-D	500ml
VM1009-E	1L
VM1009-F	2.5L
VM1009-G	5L
VM1009-G-B	5L Dispenser
VM1009-I	10L
VM1009-I-B	10L Dispenser

Hydrochloric Acid Solution 0.2M (0.2N)

The Titration Result Range for this product is 0.196 - 0.204M

Code	Pack
VM6897-D	500ml
VM6897-E	1L
VM6897-F	2.5L
VM6897-G	5L

Hydrochloric Acid Solution 0.5M (0.5N)

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM5157-D	500ml
VM5157-E	1L
VM5157-F	2.5L
VM5157-G	5L

Hydrochloric Acid Solution 1.0M (1.0N)

The Titration Result Range for this product is 0.98 - 1.02M

Code	Pack
VM1012-D	500ml
VM1012-E	1L
VM1012-F	2.5L
VM1012-G	5L

Volumetric Solutions

Hydrochloric Acid Solution 2.0M (2.0N)

The Titration Result Range for this product is 1.96 - 2.04M

Code	Pack
VM1191-D	500ml
VM1191-E	1L
VM1191-F	2.5L
VM1191-G	5L

Hydrochloric Acid Solution 3.0M (3.0N)

The Titration Result Range for this product is 2.94 - 3.06M

Code	Pack
VM1162-D	500ml
VM1162-E	1L
VM1162-F	2.5L
VM1162-G	5L

Hydrochloric Acid Solution 4.0M (4.0N)

The Titration Result Range for this product is 3.92 - 4.08M

Code	Pack
VM1181-D	500ml
VM1181-E	1L
VM1181-F	2.5L
VM1181-G	5L

Hydrochloric Acid Solution 5.0M (5.0N)

The Titration Result Range for this product is 4.90 - 5.10M

Code	Pack
VM5161-D	500ml
VM5161-E	1L
VM5161-F	2.5L
VM5161-G	5L

Hydrochloric Acid Solution 6.0M (6.0N)

The Titration Result Range for this product is 5.88 - 6.12M

Code	Pack
VM1163-D	500ml
VM1163-E	1L
VM1163-F	2.5L
VM1163-G	5L

Hydrochloric Acid Solution 8.0M (8.0N)

The Titration Result Range for this product is 7.84 - 8.16M

Code	Pack
VM1164-D	500ml
VM1164-E	1L
VM1164-F	2.5L
VM1164-G	5L

Retort Stands

The sets include both stainless steel rod and base.

Available in a range of sizes

For more information, see page 23



Iodine Solution 0.25M (0.5N)

The Titration Result Range for this product is 0.245 - 0.255M

Code	Pack
VM6667-B	100ml
VM6667-D	500ml
VM6667-E	1L
VM6667-F	2.5L

Iodine Solution 0.025M (0.05N)

The Titration Result Range for this product is 0.0246 - 0.0254M

Code	Pack
VM6666-B	100ml
VM6666-D	500ml
VM6666-E	1L
VM6666-F	2.5L

Iodine Solution 0.05M (0.1N)

The Titration Result Range for this product is 0.049 - 0.051M

Code	Pack
VM6653-B	100ml
VM6653-D	500ml
VM6653-E	1L
VM6653-F	2.5L

Volumetric Solutions

Nitric Acid Solution 0.1M (0.1N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM7766-D	500ml
VM7766-E	1L
VM7766-F	2.5L
VM7766-G	5L

Nitric Acid Solution 0.5M (0.5N)

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM7777-D	500ml
VM7777-E	1L
VM7777-F	2.5L
VM7777-G	5L

Volumetric Flasks

Used to measure and mix precise volumes of liquids. They are designed to be very accurate, and are used for preparing standard solutions, dilutions, and other precise measurements in chemistry, biology, and other scientific fields.



For more information, see page 23

Nitric Acid Solution 1.0M (1.0N)

The Titration Result Range for this product is 0.98 - 1.02M

Code	Pack
VM8113-D	500ml
VM8113-E	1L
VM8113-F	2.5L
VM8113-G	5L

Nitric Acid Solution 1.42M (1.42N)

The Titration Result Range for this product is 1.405 - 1.425M

Code	Pack
VM8114-D	500ml
VM8114-E	1L
VM8114-F	2.5L
VM8114-G	5L

Nitric Acid Solution 2.0M (2.0N)

The Titration Result Range for this product is 1.96 - 2.04M

Code	Pack
VM1182-D	500ml
VM1182-E	1L
VM1182-F	2.5L
VM1182-G	5L

Nitric Acid Solution 5.0M (5.0N)

The Titration Result Range for this product is 4.90 - 5.10M

Code	Pack
VM5566-D	500ml
VM5566-E	1L
VM5566-F	2.5L
VM5566-G	5L

Nitric Acid Solution 8.0M (8.0N)

The Titration Result Range for this product is 7.84 - 8.16M

Code	Pack
VM8763-D	500ml
VM8763-E	1L
VM8763-F	2.5L
VM8763-G	5L

Oxalic Acid 0.005M (0.1N)

The Titration Result Range for this product is 0.0045 - 0.0055M

Code	Pack
VM6613-D	500ml
VM6613-E	1L
VM6613-F	2.5L
VM6613-G	5L

Paraformaldehyde 4% in 0.1M Phosphate Buffer pH 7.4

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM3322-D	500ml
VM3322-E	1L
VM3322-F	2.5L

Potassium Chloride Solution 0.01M

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM8888-D	500ml
VM8888-E	1L
VM8888-F	2.5L

Volumetric Solutions

Potassium Chloride Solution 3.0M (3.0N)

The Titration Result Range for this product is 2.94 - 3.06M

Code	Pack
VM8889-D	500ml
VM8889-E	1L
VM8889-F	2.5L
VM8889-G	5L

Potassium Chloride Solution 4.0M (4.0N)

The Titration Result Range for this product is 3.92 - 4.08M

Code	Pack
VM8887-D	500ml
VM8887-E	1L
VM8887-F	2.5L
VM8887-G	5L

Potassium Hydroxide 0.1M (0.1N) in Ethanol

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM1008-D	500ml
VM1008-E	1L
VM1008-F	2.5L

Potassium Hydroxide Solution 0.075M (0.075N)

The Titration Result Range for this product is 0.071 - 0.0755M

Code	Pack
VM1110-D	500ml
VM1110-E	1L
VM1110-F	2.5L

Potassium Hydroxide Solution 0.1M (0.1N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM1008-D	500ml
VM1008-E	1L
VM1008-F	2.5L
VM1008-G	5L

Potassium Hydroxide Solution 0.1M in Isopropanol

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM5599-D	500ml
VM5599-E	1L
VM5599-F	2.5L

Potassium Hydroxide Solution 0.5M (0.5N)

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM2000-D	500ml
VM2000-E	1L
VM2000-F	2.5L
VM2000-G	5L
VM2000-K	25L

Potassium Hydroxide Solution 1.0M (1.0N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM5236-D	500ml
VM5236-E	1L
VM5236-F	2.5L

Potassium Hydroxide Solution 5.0M (5.0N)

The Titration Result Range for this product is 4.90 - 5.10M

Code	Pack
VM5235-D	500ml
VM5235-E	1L
VM5235-F	2.5L

Potassium Permanganate Solution 0.02M (0.1N)

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM5382-D	500ml
VM5382-E	1L
VM5382-F	2.5L
VM5382-G	5L

Potassium Permanganate Solution 0.1M (0.5N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM5383-D	500ml
VM5383-E	1L
VM5383-F	2.5L

Volumetric Solutions

Potassium Permanganate Solution 0.2M (1.0N)

The Titration Result Range for this product is 0.196 - 0.204M

Code	Pack
VM5242-D	500ml
VM5242-E	1L
VM5242-F	2.5L
VM5242-G	5L

Potassium Thiocyanate Solution 0.05M (0.05N)

The Titration Result Range for this product is 0.049 - 0.051M

Code	Pack
VM1103-D	500ml
VM1103-E	1L
VM1103-F	2.5L

Potassium Thiocyanate Solution 0.1M (0.1N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM1109-D	500ml
VM1109-E	1L
VM1109-F	2.5L

Silver Nitrate Solution 0.02M (0.02N)

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM1026-D	500ml
VM1026-E	1L
VM1026-F	2.5L

Silver Nitrate Solution 0.05N (0.05M)

The Titration Result Range for this product is 0.049 - 0.051M

Code	Pack
VM1024-D	500ml
VM1024-E	1L
VM1024-F	2.5L

Silver Nitrate Solution 0.085M (0.085N)

The Titration Result Range for this product is 0.081 - 0.089M

Code	Pack
VM1027-D	500ml
VM1027-E	1L
VM1027-F	2.5L

Silver Nitrate Solution 0.1709M (0.1709N)

The Titration Result Range for this product is 0.1704 - 0.1714M

Code	Pack
VM1030-D	500ml
VM1030-E	1L
VM1030-F	2.5L

Silver Nitrate Solution 0.1M (0.1N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM1020-D	500ml
VM1020-E	1L
VM1020-F	2.5L

Silver Nitrate Solution 0.5M (0.5N)

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM0019-B	100ml
VM0019-D	500ml
VM0019-E	1L
VM0019-F	2.5L

Silver Nitrate Solution 1.0M (1.0N)

The Titration Result Range for this product is 0.98 - 1.02M

Code	Pack
VM1028-B	100ml
VM1028-D	500ml
VM1028-E	1L
VM1028-F	2.5L

Sodium Azide 0.1M Solution

The Titration Result Range for this product is 0.098M - 0.202M

Code	Pack
VM1111-B	100ml
VM1111-D	500ml

Volumetric Solutions

Sodium Carbonate Solution 0.5M

The Titration Result Range for this product is 0.49M - 0.51M

Code	Pack
VM1130-D	500ml
VM1130-E	1L
VM1130-F	2.5L
VM1130-G	5L

Sodium Chloride Solution 0.1M (0.1N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM6678-D	500ml
VM6678-E	1L
VM6678-F	2.5L

Sodium Chloride Solution 5.0M

The Titration Result Range for this product is 4.90 - 5.10M

Code	Pack
VM8030-D	500ml
VM8030-E	1L
VM8030-G	5L

Sodium Hydroxide Solution 0.01M (0.01N)

The Titration Result Range for this product is 0.0098 - 0.0102M

Code	Pack
VM6677-D	500ml
VM6677-E	1L
VM6677-F	2.5L
VM6677-G	5L

Sodium Hydroxide Solution 0.02M (0.02N)

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM4455-D	500ml
VM4455-E	1L
VM4455-F	2.5L
VM4455-G	5L

Sodium Hydroxide Solution 0.1M (0.1N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM1015-D	500ml
VM1015-E	1L
VM1015-F	2.5L
VM1015-G	5L
VM1015-G-B	5L Dispenser
VM1015-I	5L
VM1015-I-B	10L Dispenser

Sodium Hydroxide Solution 0.111M (0.111N)

The Titration Result Range for this product is 0.10878 - 0.11322M

Code	Pack
VM3326-D	500ml
VM3326-E	1L
VM3326-F	2.5L
VM3326-G	5L

Sodium Hydroxide Solution 0.14M (0.14N)

The Titration Result Range for this product is 0.1372 - 0.1428M

Code	Pack
VM3321-D	500ml
VM3321-E	1L
VM3321-F	2.5L
VM3321-G	5L

Sodium Hydroxide Solution 0.156M (0.156N)

The Titration Result Range for this product is 0.15288 - 0.15912M

Code	Pack
VM3303-D	500ml
VM3303-E	1L
VM3303-F	2.5L
VM3303-G	5L

Sodium Hydroxide Solution 0.2M (0.2N)

The Titration Result Range for this product is 0.196 - 0.204M

Code	Pack
VM1021-D	500ml
VM1021-E	1L
VM1021-F	2.5L
VM1021-G	5L

Nitrile Gloves

Finite[®] HD Blue Blue Nitrile Disposable Glove with 300mm Cuff.
Thicker than a standard disposable glove.

Tested in accordance with European standard EN1186 making it suitable for food contact.



Volumetric Solutions

Sodium Hydroxide Solution 0.25M (0.25N)

The Titration Result Range for this product is 0.245 - 0.255M

Code	Pack
VM1019-D	500ml
VM1019-E	1L
VM1019-F	2.5L
VM1019-G	5L

Sodium Hydroxide Solution 0.313M (0.313N)

The Titration Result Range for this product is 0.30674 - 0.31926M

Code	Pack
VM3344-D	500ml
VM3344-E	1L
VM3344-F	2.5L
VM3344-G	5L

Sodium Hydroxide Solution 0.33M (0.33N)

The Titration Result Range for this product is 0.3234 - 0.3366M

Code	Pack
VM3345-D	500ml
VM3345-E	1L
VM3345-F	2.5L
VM3345-G	5L

Sodium Hydroxide Solution 0.5M (0.5N)

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM1018-D	500ml
VM1018-E	1L
VM1018-F	2.5L
VM1018-G	5L

Sodium Hydroxide Solution 1.0M (1.0N)

The Titration Result Range for this product is 0.98 - 1.02M

Code	Pack
VM1010-D	500ml
VM1010-E	1L
VM1010-F	2.5L
VM1010-G	5L
VM1010-G-B	5L Dispenser
VM1010-I	5L
VM1010-I-B	10L Dispenser
VM1010-K	25L

Sodium Hydroxide Solution 2.0M (2.0N)

The Titration Result Range for this product is 1.96 - 2.04M

Code	Pack
VM5613-D	500ml
VM5613-E	1L
VM5613-F	2.5L
VM5613-G	5L

Glass Beakers

A wide range of glass beakers in a variety of sizes and brands available



For more information, see page 24-25

Sodium Hydroxide Solution 2.5M (2.5N)

The Titration Result Range for this product is 2.45 - 2.55M

Code	Pack
VM0067-D	500ml
VM0067-E	1L
VM0067-F	2.5L
VM0067-G	5L

Sodium Hydroxide Solution 3.0M (3N)

The Titration Result Range for this product is 2.94 - 3.06M

Code	Pack
VM1003-D	500ml
VM1003-E	1L
VM1003-F	2.5L
VM1003-G	5L

Sodium Hydroxide Solution 4.0M (4.0N)

The Titration Result Range for this product is 3.92 - 4.08M

Code	Pack
VM6655-D	500ml
VM6655-E	1L
VM6655-F	2.5L
VM6655-G	5L

Volumetric Solutions

Sodium Hydroxide Solution 5.0M (5N)

The Titration Result Range for this product is 4.9 - 5.1M

Code	Pack
VM1184-D	500ml
VM1184-E	1L
VM1184-F	2.5L
VM1184-G	5L

Sodium Hydroxide Solution 8.0M (8N)

The Titration Result Range for this product is 7.84 - 8.16M

Code	Pack
VM1185-D	500ml
VM1185-E	1L
VM1185-F	2.5L
VM1185-G	5L

Sodium Hydroxide Solution 10.0M (10N)

The Titration Result Range for this product is 9.80 - 10.20M

Code	Pack
VM1007-D	500ml
VM1007-E	1L
VM1007-F	2.5L
VM1007-G	5L

Sodium Hydroxide Solution 12.5M (12.5N)

The Titration Result Range for this product is 12.25 - 12.75M

Code	Pack
VM1005-D	500ml
VM1005-E	1L
VM1005-F	2.5L
VM1005-G	5L

Sodium Thiosulphate Solution 0.01M (0.01N)

The Titration Result Range for this product is 0.0196 - 0.0204M

Code	Pack
VM1169-D	500ml
VM1169-E	1L
VM1169-F	2.5L

Sodium Thiosulphate Solution 0.1M (0.1N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM0069-D	500ml
VM0069-E	1L
VM0069-F	2.5L
VM0069-G	5L
VM0069-G-B	5L Dispenser
VM0069-I-B	10L Dispenser

Sodium Thiosulphate Solution 1.0M (1.0N)

The Titration Result Range for this product is 0.98 - 1.02M

Code	Pack
VM0060-D	500ml
VM0060-E	1L
VM0060-F	2.5L
VM0060-G	5L

Sulphosalicylic Acid Solution 0.8M

The Titration Result Range for this product is 0.78 - 0.82M

Code	Pack
VM5565-B	100ml
VM5565-D	500ml
VM5565-E	1L

Sulphuric Acid Solution 0.1M (0.2N)

The Titration Result Range for this product is 0.098 - 0.102M

Code	Pack
VM1023-D	500ml
VM1023-E	1L
VM1023-F	2.5L
VM1023-G	5L

Sulphuric Acid Solution 0.25M (0.5N)

The Titration Result Range for this product is 0.245 - 0.255M

Code	Pack
VM1017-D	500ml
VM1017-E	1L
VM1017-F	2.5L
VM1017-G	5L

Volumetric Solutions

Sulphuric Acid Solution 0.5M (1.0N)

The Titration Result Range for this product is 0.49 - 0.51M

Code	Pack
VM1014-D	500ml
VM1014-E	1L
VM1014-F	2.5L
VM1014-G	5L

Sulphuric Acid Solution 1.0M (2.0N)

The Titration Result Range for this product is 0.98 - 1.02M

Code	Pack
VM5336-D	500ml
VM5336-E	1L
VM5336-F	2.5L
VM5336-G	5L
VM5336-K	25L

Sulphuric Acid Solution 2.0M (4.0N)

The Titration Result Range for this product is 1.96 - 2.04M

Code	Pack
VM5281-D	500ml
VM5281-E	1L
VM5281-F	2.5L
VM5281-G	5L

Sulphuric Acid Solution 2.5M (5.0N)

The Titration Result Range for this product is 2.45 - 2.55M

Code	Pack
VM1025-D	500ml
VM1025-E	1L
VM1025-F	2.5L
VM1025-G	5L

Sulphuric Acid Solution 3.0M (6.0N)

The Titration Result Range for this product is 2.94 - 3.06M

Code	Pack
VM5282-D	500ml
VM5282-E	1L
VM5282-F	2.5L
VM5282-G	5L

Sulphuric Acid Solution 4.0M (8.0N)

The Titration Result Range for this product is 3.92 - 4.08M

Code	Pack
VM6789-D	500ml
VM6789-E	1L
VM6789-F	2.5L
VM6789-G	5L

Sulphuric Acid Solution 5.0M (10N)

The Titration Result Range for this product is 4.90 - 5.10M

Code	Pack
VM9999-D	500ml
VM9999-E	1L
VM9999-F	2.5L
VM9999-G	5L

Base Chemicals

Acetic Acid 99.85% ACS

Cas No: 64-19-7	Einecs: 200-580-7	UN2789
-----------------	-------------------	--------

Food Grade
 Minimum Assay: >99.85% w/w
 Molecular Formula: CH₃COOH
 Molecular Weight: 60.05 g/mol
 Boiling Point: 117-118°C
 Melting Point: 16.2°C
 Density at 25°C (g/cm³): 1.049
 Non-Volatile Matter: <0.003% w/w
 Permanganate Time: min 2 hours

Code	Pack
GPC8005-D	500ml
GPC8005-E	1L
GPC8005-F	2.5L
GPC8005-G	5L
GPC8005-K	25L

Distilled Water

Cas No: 7732-18-5		
-------------------	--	--

Molecular Formula: H₂O
 Molecular Weight: 18.02
 Boiling Point: 100 deg C
 Refractive Index: n_{20/D} 1.34(lit.)
 Resistivity: >10MΩ.cm *
 Nitrite (NO₂): Nitrate (NO₃): Sodium (Na): Chloride (Cl): TOC: < 2 mg/L
 Oxidised Nitrogen: Boron (B): Endotoxins: TVC (2 Days): 0 cfu/ml
 TVC (3 Days): 0 cfu/ml

Code	Pack
GPC9023-D	500ml
GPC9023-E	1L
GPC9023-2E	2L
GPC9023-F	2.5L
GPC9023-G	5L
GPC9023-I	10L
GPC9023-J	20L
GPC9023-K	25L
GPC9023-200L	200L
GPC9023-1000L	1000L

* In line reading only. Product is not bottled under inert conditions

Copper (II) Sulphate Anhydrous 98%

Cas No: 7758-99-7	Einecs: 231-847-6	
-------------------	-------------------	--

Minimum Assay: 98.0%
 Molecular Formula: CuO₄S
 Molecular Weight: 159.61g/mol
 Melting Point: 200 °C
 Density at 20°C (g/cm³): 3.60
 pH (5% soln 20°C): 3.5-4.5
 Lead (Pb): <100ppm

Code	Pack
GPC7101-X	100gm
GPC7101-2X	250gm
GPC7101-5X	500gm
GPC7101-Y	1Kg
GPC7101-5Y	5Kg

Copper (II) Sulphate Pentahydrate 98%

Cas No: 7758-99-8	Einecs: 231-847-6	
-------------------	-------------------	--

Minimum Assay: >>98%
 Molecular Formula: CuO₄S.5H₂O
 Molecular Weight: 249.69 g/mol
 Melting Point: 110 °C
 Density at 20°C (g/cm³): 2.284
 pH (5% at 25°C): 3.7-4.5
 Solubility in Water (% weight): 31.6%
 Chloride (Cl): <0.001%
 Iron (Fe): <0.008%
 Sodium (Na): <0.01%
 Potassium (K): <0.0018%

Code	Pack
GPC7100-X	100gm
GPC7100-2X	250gm
GPC7100-5X	500gm
GPC7100-Y	1Kg
GPC7100-2.5Y	2.5Kg
GPC7100-5Y	5Kg

di-Sodium Hydrogen Phosphate Anhydrous 98.5% ACS

Cas No: 7558-79-4	Einecs: 231-448-7	
-------------------	-------------------	--

Minimum Assay: >98.5%
 Molecular Formula: HNa₂O₄P
 Molecular Weight: 141.96
 Appearance Form: White Crystalline powder
 pH: 8.9 - 9.2 at 50 g/l at 25 °C
 PO₂ Content: 49.7%
 Vapour density: 4.90 - (Air = 1.0)
 Relative density: 1.520 g/cm³
 Water solubility: soluble
 Relative vapour density 4.90 - (Air = 1.0)
 Arsenic (As): <1ppm
 Fluoride (F): <10ppm
 Lead (Pb): <1ppm
 Cadmium (Cd): <1ppm
 Mercury (Hg): <0.5ppm
 Insoluble Matter: <0.02%
 Loss on Drying: <0.1%

Code	Pack
GPC8034-2X	250gm
GPC8034-5X	500gm
GPC8034-Y	1Kg
GPC8034-2.5Y	2.5Kg
GPC8034-5Y	5Kg
GPC8034-25Y	25Kg

EDTA Disodium Salt Dihydrate 99% USP

Cas No: 6381-92-6	Einecs: 205-358-3	
-------------------	-------------------	--

Minimum Assay: >99.5%
 Molecular Formula: C₁₀H₁₄N₂Na₂O₈.2H₂O
 Molecular Weight: 372.24 g/mol
 Melting Point: 252 °C
 pH (5% Solution): 4.0 - 6.0
 Sulphates (SO₄): <0.02%
 Iron (Fe): <0.0003%
 Calcium (Ca): Conforms
 Chloride (Cl): <0.005%
 Limit of Nitrotriacetic Acid: <0.007%
 Loss on Drying: 8.7 - 11.4%

Code	Pack
GPC8018-X	100gm
GPC8018-2X	250gm
GPC8018-5X	500gm
GPC8018-Y	1Kg
GPC8018-5Y	5Kg

Ethylenediaminetetraacetic acid 98-100.5%

Cas No: 60-00-4	Einecs: 200-449-4	
-----------------	-------------------	--

Minimum Assay: 99.34%
 Molecular Formula: C₁₀H₁₆N₂O₈
 Molecular Weight: 292.24
 Melting Point: 250°C
 pH: 2.85 (50gm/L @25°C)
 Water: <0.5%
 Heavy Metals (as Pb): <0.0004%
 Iron (Fe): <0.0005%
 Sulphates (SO₄): <0.02%
 Chelation Value: 340

Code	Pack
GPC9996-X	100gm
GPC9996-2X	250gm
GPC9996-5X	500gm
GPC9996-Y	1Kg
GPC9996-5Y	5Kg

Formic Acid 85% ACS

Cas No: 64-18-6	Einecs: 200-579-1	UN1779
-----------------	-------------------	--------

Minimum Assay: >85%
 Molecular Formula: CH₂O₂
 Molecular Weight: 46.03 g/mol
 Boiling Point: 100-101°C
 Melting Point: 8.2-8.4°C
 Density at 25°C (g/cm³): 1.22
 Refractive Index: 1.370
 Residue on Evaporation: <0.1%
 Iron (Fe): <3ppm
 Chlorides (Cl): <3ppm
 Nickel (Ni): <1ppm
 Chromium (Cr): <1ppm

Code	Pack
GPC9002-D	500ml
GPC9002-E	1L
GPC9002-F	2.5L
GPC9002-G	5L
GPC9002-K	25L

Base Chemicals

Hydrochloric Acid 35.0-36.6% ACS

Cas No: 7647-01-0	Einecs: 231-595-7	UN1789
-------------------	-------------------	--------

Minimum Assay: 35.6-36.6%
 Molecular Formula HCl
 Molecular Weight 36.46 g/mol
 Sulphate (SO₄): <0.6%
 Iron (Fe): <10ppm
 Arsenic (As): <2ppm
 Lead (Pb): <2ppm
 Copper (Cu): <2ppm
 Total organics: <100ppm

Code	Pack
GPC8006-D	500ml
GPC8006-E	1L
GPC8006-F	2.5L
GPC8006-G	5L
GPS8006-K	25L

Industrial Methylated Spirits 99.5%

Cas No: 64-17-5	Einecs: 200-578-6	UN1170
-----------------	-------------------	--------

Minimum Assay: >99.5%
 Molecular Formula: C₂H₆O
 Molecular Weight: 46.07 g/mol
 Boiling Point: 78°C
 Melting Point: -114°C
 Density at 20°C (g/cm³): 0.785
 Refractive Index: 1.361
 Water Content: Max 1.43%
 Acidity as Acetic Acid: Max 0.003%
 Carbonyls as Acetaldehyde: Max 0.1%

Code	Pack
GPS1000-D	500ml
GPS1000-E	1L
GPS1000-2E	2L
GPS1000-F	2.5L
GPS1000-G	5L
GPS1000-K	25L
GPS1000-10J	200L

Iodine 99.8% BP98

Cas No: 7553-56-2	Einecs: 231-442-4	UN3495
-------------------	-------------------	--------

Minimum Assay: >99.8%
 Molecular Formula: I₂
 Molecular Weight: 253.81 g/mol
 Boiling Point: 184.3°C
 Melting Point: 113.7°C
 Density at 25°C (g/cm³): 4.933
 Refractive Index: 1.756

Code	Pack
RRBD82-W	25gm
RRBD82-2W	50gm
RRBD82-X	100gm

Isopropyl Alcohol 99.8% ACS

Cas No: 67-63-0	Einecs: 200-61-7	UN1219
-----------------	------------------	--------

Minimum Assay: >99.8%
 Molecular Formula: C₃H₈O
 Molecular Weight: 60.1 g/mol
 Melting Point: -89.5 °C
 Boiling Point: 82.4 °C
 Water: <0.2%
 Density at 25°C (g/cm³): 0.785
 Refractive Index: 1.377

Code	Pack
GPS1007-C	250ml
GPS1007-D	500ml
GPS1007-E	1L
GPS1007-F	2.5L
GPS1007-G	5L
GPS1007-K	25L
GPS1007-200L	200L

Nitric Acid 69%

Cas No: 7697-37-2	Einecs: 231-714-2	UN2031	Flash Point: 13°C
-------------------	-------------------	--------	-------------------

Minimum Assay: >69%
 Molecular Formula: HNO₃
 Density: 1.401-1.417
 Nitrous Acid ppm w/w: Max 200
 Sulphuric Acid ppm w/w: Max 100
 Residue On Ignition ppm w/w: Max 50
 Iron ppm w/w: Max 10

Code	Pack
GPC9289-D	500ml
GPC9289-E	1L
GPC9289-F	2.5L
GPC9289-G	5L
GPC9289-K	25L

Oxalic Acid Dihydrate 99.6%

Cas No: 6153-56-6	Einecs: 205-634-3	
-------------------	-------------------	--

Minimum Assay: 99.6%
 Molecular Formula: C₂H₂O₄.2H₂O
 Molecular Weight: 126.07 g/mol
 Melting Point: 101 °C
 Boiling Point: 149-160 °C
 Sulphates: <2000ppm
 Iron (Fe): <5ppm
 Ash: <0.1%
 Lead (Pb): <3ppm

Code	Pack
GPC8000-X	100gm
GPC8000-2X	250gm
GPC8000-5X	500gm
GPC8000-Y	1Kg
GPC8000-5Y	5Kg
GPC8000-10Y	10Kg
GPC8000-25Y	25Kg

Paraformaldehyde 97%

Cas No: 30525-89-4	Einecs: 200-001-8	UN2213
--------------------	-------------------	--------

Minimum Assay: >97%
 Molecular Formula: (CH₂O)_n
 Molecular Weight: 323.83 g/mol
 Melting Point: 120-170°C

Code	Pack
GPC9407-2X	250gm
GPC9407-5X	500gm
GPC9407-Y	1Kg

Potassium Chloride 99-100.5% BP

Cas No: 7447-40-7	Einecs: 231-211-8	
-------------------	-------------------	--

Minimum Assay: >99.1%
 Molecular Formula: KCl
 Molecular Weight: 74.55
 pH: 5.5-8.5 (25 °C, 5% in solution)
 Boiling Point: 1413 deg C
 Melting Point: 773 deg C
 Loss on Drying: 0.1%
 Sodium (Na): <0.2%
 Magnesium (Mg): <100mg/Kg
 Calcium (Ca): <10mg/kg
 Sulphates (as SO₄): <100mg/Kg
 Contains anti-caking agent

Code	Pack
GPC8004-5X	500gm
GPC8004-Y	1Kg
GPC8004-5Y	5Kg
GPC8004-25Y	25Kg

Base Chemicals

Potassium dihydrogen Phosphate 99-102.00% Anhydrous ACS, FG

Cas No: 7778-77-0 EINECS: 231-913-4

Code	Pack
GPC8093-X	100gm
GPC8093-2X	250gm
GPC8093-5X	500gm
GPC8093-Y	1Kg
GPC8093-5Y	5Kg
GPC8093-25Y	25Kg

Potassium Thiocyanate 98%

Cas No: 333-20-0 EINECS: 206-370-1



Minimum Assay: 98%
Molecular Formula: KSCN
Molecular Weight: 97.18
Melting Point: 172-175 °C
Boiling Point: 500 °C
Chloride (Cl): <0.009%
Sulphate (SO4): <0.05%
Sulphide (S): <0.002%
Heavy Metals (as Pb): <0.001%
Ammonium (NH4): <0.05%
Iron (Fe): <0.0004%

Code	Pack
GPC5452-X	100gm
GPC5452-2X	250gm
GPC5452-5X	500gm
GPC5452-Y	1Kg
GPC5452-2.5Y	2.5Kg
GPC5452-5Y	5Kg
GPC5452-10Y	10Kg
GPC5452-25Y	25Kg

Potassium Hydroxide Pellets 85%

Cas No: 1310-58-3 EINECS: 215-181-3 UN1813



Minimum Assay: >85%
Molecular Formula: KOH
Molecular Weight: 56.11 g/mol
Melting Point: 361 °C
Iron: <10 mg/Kg
Sulphate: <50mg/Kg
Heavy Metals (Pb): <10mg/Kg
Phosphorus: <20mg/Kg
Sodium: <1%



Code	Pack
GPC8025-X	100gm
GPC8025-2X	250gm
GPC8025-5X	500gm
GPC8025-Y	1Kg
GPC8025-5Y	5Kg
GPC8025-25Y	25Kg

Silver Nitrate 99.9% ACS

Cas No: 7761-88-8 EINECS: 231-853-9 UN1493



Minimum Assay: >99.9%
Molecular Formula: AgNO3
Molecular Weight: 169.87 g/mol
Melting Point: 212 °C
Chloride (Cl): <1ppm
Sulphate (SO4): <5ppm
Copper (Cu): <0.1 ppm
Iron (Fe): <0.2ppm
Lead (Pb): <1ppm



Code	Pack
GPC8109-W	25gm
GPC8109-2W	50gm
GPC8109-X	100gm
GPC8109-2X	250gm
GPC8109-5X	500gm
GPC8109-Y	1Kg

Potassium Iodide 99.9% BP, EP, USP

Cas No: 7681-11-0 EINECS: 231-659-4



Minimum Assay: >>99%
Molecular Formula: KI
Molecular Weight: 166.0 g/mol
Melting Point: 681 °C
Iodate (as KIO3): <0.0004%
Heavy Metals (as Pb): <0.001%
Loss on Drying: <1%
Alkalinity: Passes Test
Nitrates, Ammonia, Nitrites: Passes Test
Thiosulphate and Barium: Passes Test

Code	Pack
GPC8111-X	100gm
GPC8111-2X	250gm
GPC8111-5X	500gm
GPC8111-Y	1Kg

Sodium Azide 99%

Cas No: 26628-22-8 EINECS: 247-852-1



Minimum Assay: >99%
Molecular Formula: N3Na
Molecular Weight: 65.01 g/mol
Melting Point: 275 °C



Code	Pack
GPC8029-W	25gm
GPC8029-2W	50gm
GPC8029-X	100gm
GPC8029-2X	250gm
GPC8029-5X	500gm
GPC8029-Y	1Kg

Potassium Permanganate 99.0-100.5%

Cas No: 7722-64-7 EINECS: 231-760-3 UN1490



Minimum Assay: 99.0-100.5%
Molecular Formula: KMnO4
Molecular Weight: 158.03 g/mol
Melting Point: 240 °C
Chloride (Cl): <0.01%
Sulphate (SO4): <0.05%
Water Insolubles: <0.2%



Code	Pack
RRBD74-W	25gm
RRBD74-2W	50gm
RRBD74-X	100gm
RRBD74-2X	250gm
RRBD74-5X	500gm
RRBD74-Y	1Kg

Sodium Carbonate Anhydrous 99.3%

Cas No: 497-19-8 EINECS: 207-838-8



Minimum Assay: >99.3%
Molecular Formula: Na2CO3
Molecular Weight: 105.99 g/mol
Solubility in water (% weight): 106 g/l at 20 °C - completely soluble
Melting Point: 851 °C
Boiling Point: 400 °C
Chloride (Cl): <0.25%
Sulphate (SO4): <300ppm
Iron (Fe): <30ppm
Fluoride (F): <15ppm
Arsenic (As): <1ppm
Cadmium (Cd): <1ppm
Lead (Pb): <1ppm

Code	Pack
GPC6895-2X	250gm
GPC6895-5X	500gm
GPC6895-Y	1Kg
GPC6895-2.5Y	2.5Kg
GPC6895-5Y	5Kg
GPC6895-25Y	25Kg

Base Chemicals

Sodium Chloride 99.9% BP, ACS, Ph Eur

Cas No: 7647-14-5 EINECS: 231-598-3

Minimum Assay: >99.9%
Molecular Formula: NaCl
Molecular Weight: 58.44 g/mol
Melting Point: 801 °C

Code	Pack
GPC8030-5X	500gm
GPC8030-Y	1Kg
GPC8030-2Y	2Kg
GPC8030-3Y	3Kg
GPC8030-5Y	5Kg
GPC8030-10Y	10Kg
GPC8030-25Y	25Kg

Sodium Hydroxide Pellets 99.9% ACS

Cas No: 1310-73-2 EINECS: 215-185-5 UN1823



Minimum Assay: 97.0-100.5%
Molecular Formula: NaOH
Molecular Weight: 40.0 g/mol
Melting Point: 318.4 °C
Appearance in 10% Solution: Clear and Colourless
Chloride (Cl): <200ppm
Sulphate (SO4): <50ppm
Iron (Fe): <10ppm
Heavy Metals (as Pb): <20ppm
Arsenic (As): <3ppm
Lead (Pb): <0.5ppm
Mercury (Hg): <1ppm

Code	Pack
GPC8036-X	100gm
GPC8036-2X	250gm
GPC8036-5X	500gm
GPC8036-Y	1Kg
GPC8036-2.5Y	2.5Kg
GPC8036-5Y	5Kg
GPC8036-25Y	25Kg

Sodium Thiosulphate Pentahydrate 99%

Cas No: 10102-17-7 EINECS: 231-867-5

Minimum Assay: >99.0%
Molecular Formula: Na2S2O3·5H2O
Molecular Weight: 241.17 g/mol
Solubility in water (% weight): 79g/100 ml water @ 40 °C
Melting Point: 48 °C
Calcium (Ca): <0.30%
Iron (Fe): <10ppm
Heavy Metals (as Pb): <10ppm
Acidity: <0.01%
Alkalinity: <0.06%

Code	Pack
GPC5273-5X	500gm
GPC5273-Y	1Kg
GPC5273-2.5Y	2.5Kg
GPC5273-3Y	3Kg
GPC5273-5Y	5Kg

5-Sulfosalicylic acid dihydrate 99%

Cas No: 5965-83-3 EINECS: 202-555-6 UN3261

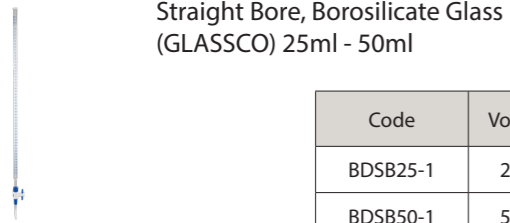


Minimum Assay: >99.0%
Molecular Formula: C7H6O6S·2H2O
Molecular Weight: 254.22 g/mol
Melting Point: 224 °C
Boiling Point: >120 °C
Free salicylic acid: Max. 0.04%
Heavy metals (as Pb): Max. 10 ppm
Ignition residue (SO4): Max. 0.1%
Insolubility in NH3 4 N: Max. 0.03%
Insolubility in ethanol 96% vol: Max. 0.1%
Insolubility in water: Max. 50 ppm
Cl (Chloride): Max. 10 ppm
Fe (Iron): Max. 10 ppm
Refractive Index: n20D ~1.65

Code	Pack
GPC1013-X	100gm
GPC1013-2X	250gm
GPC1013-5X	500gm

Burettes & Pipettes

Burette, Detachable Stopcock 25ml - 50ml



Straight Bore, Borosilicate Glass (GLASSCO) 25ml - 50ml

Code	Volume
BDSB25-1	25ml
BDSB50-1	50ml

Burette, Straight Bore 10ml - 100ml



Class B, PTFE Stopcock, Borosilicate Glass (GLASSCO) 10ml - 100ml

Code	Volume
BSPB10-1	10ml
BSPB25-1	25ml
BSPB50-1	50ml
BSPB100-1	100ml

Burette, Straight 10ml - 100ml



Glass Stopcock, Class B, Borosilicate glass (GLASSCO) 10ml - 100ml

Code	Volume
BSB10-1	10ml
BSB25-1	25ml
BSB50-1	50ml
BSB100-1	100ml

10mL Bulb Form One



Mark Class AS Glass Pipette with Certification, MBL

Code	Pack
PRA746ASWC	1 Pack

Pasteur Pipette Glass Unplugged 150mm

Mark Class AS Glass Pipette with Certification, MBL

Code	Pack
NP150S-250	250 Pack
NP150S-1000	1000 Pack

Pipette, Borosilicate Glass 2ml - 100ml



One Mark, Class A, ISO 648, DIN 12691, AR Glass, Borosilicate Glass (GLASSCO) 20ml

Code	Volume
PBAG2-1	2ml
PBAG5-1	5ml
PBAG10-1	10ml
PBAG20-1	20ml
PBAG25-1	25ml
PBAG50-1	50ml
PBAG100-1	100ml

Pipette, Soda Glass, 10ml



Bulb Form, One Mark, Class A, Soda Glass, 10ml

Code	Pack
PBA10-1	1 Pack

Pipette, Borosilicate Glass 1ml



One Mark, Class B, ISO 648, DIN 12691, AR Glass, Borosilicate Glass (GLASSCO) 1ml

Code	Pack
PBBG1-1	1 Pack

Pipette, Soda Glass 5ml

Bulb Form, One Mark, Class B, Soda Glass, 5ml

Code	Pack
PBB5-1	1 Pack

Pipette, Serological 2ml

Class A, ISO 835, DIN 12696, Soda Glass, 2ml

Code	Pack
PSA2-1	1 Pack

Volumetric Flasks

Pipette, Serological 1ml - 25ml



(Glassco) Class A, 1ml - 25ml, AR glass

Code	Pack
PSAA1-1	1ml
PSAA2-1	2ml
PSAA5-1	5ml
PSAA10-1	10ml
PSAA25-1	25ml

Volumetric Flask, Class A 5ml - 2000ml



Volumetric Flask, Class A, PE Stopper, Batch Certificate (GLASSCO) 5ml - 2000ml

Code	Volume
VFA5-1	5ml
VFA10-1	10ml
VFA20-1	20ml
VFA25-1	25ml
VFA50-1	50ml
VFA100-1	100ml
VFA200-1	200ml
VFA250-1	250ml
VFA500-1	500ml
VFA1000-1	1000ml
VFA2000-1	2000ml

Volumetric Flask with PE Stopper 5ml - 1000ml



Volumetric Flask with PE Stopper, Amber, Class A, Batch Certificate (GLASSCO) 5ml - 1000ml

Code	Volume
VFAB5-1	5ml
VFAB10-1	10ml
VFAB20-1	20ml
VFAB25-1	25ml
VFAB50-1	50ml
VFAB100-1	100ml
VFAB200-1	200ml
VFAB250-1	250ml
VFAB500-1	500ml
VFAB1000-1	1000ml

Volumetric Flask, Class B 5ml - 5000ml



Volumetric Flask, Class B, Borosilicate Glass (GLASSCO) 5ml - 5000ml

Code	Volume
VFB5-1	5ml
VFB10-1	10ml
VFB25-1	25ml
VFB50-1	50ml
VFB100-1	100ml
VFB250-1	250ml
VFB500-1	500ml
VFB1000-1	1000ml
VFB2000-1	2000ml
VFB5000-1	5000ml

* Multipacks available on our website

Flasks

Conical Flask, Narrow Neck, Borosilicate Glass, Academy, 25ml - 5000ml



Features a tapered design with a narrow neck, making it suitable for a wide range of laboratory applications.

Code	Volume
ACF25-1	25ml
ACF50-1	50ml
ACF100-1	100ml
ACF250-1	250ml
ACF500-1	500ml
ACF1000-1	1000ml
ACF2000-1	2000ml
ACF3000-1	3000ml
ACF5000-1	5000ml

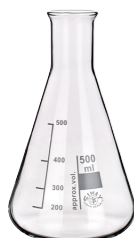
Erlenmeyer Flask, Wide Neck, Borosilicate Glass (SIMAX) 25ml - 5000ml



Perfect for precise measurements and easy liquid handling in labs. Crafted from borosilicate glass, it offers heat and chemical resistance.

Code	Volume
EFW25-1	25ml
EFW50-1	50ml
EFW100-1	100ml
EFW200-1	200ml
EFW250-1	250ml
EFW300-1	300ml
EFW500-1	500ml
EFW1000-1	1000ml
EFW2000-1	2000ml
EFW3000-1	3000ml
EFW5000-1	5000ml

Simax Erlenmeyer Flask, Narrow Neck, Borosilicate Glass 25ml - 5000ml



The Simax Erlenmeyer Flask, with its narrow neck design, is a high-quality labware essential made from durable borosilicate glass.

Code	Volume
EFN25-1	25ml
EFN50-1	50ml
EFN100-1	100ml
EFN200-1	200ml
EFN250-1	250ml
EFN300-1	300ml
EFN500-1	500ml
EFN1000-1	1000ml
EFN2000-1	2000ml
EFN3000-1	3000ml
EFN5000-1	5000ml

Tall Form Beaker with Spout and Handle 50ml - 3000ml

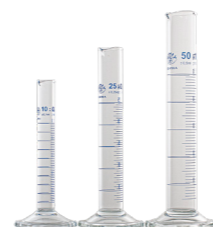


Graduated, Borosilicate Glass (SIMAX) 50ml - 3000ml

Code	Volume
HBGS50-1	50ml
HBGS100-1	100ml
HBGS150-1	150ml
HBGS250-1	250ml
HBGS400-1	400ml
HBGS600-1	600ml
HBGS800-1	800ml
HBGS1000-1	1000ml
HBGS2000-1	2000ml
HBGS3000-1	3000ml

Measuring Cylinders

Measuring Cylinder, Class A, Hexagonal Base, 5ml - 2000ml



ISO 4788, Hexagonal Base, Borosilicate Glass (SIMAX) 5ml-2000ml

Code	Volume
MCAH5-1	5ml
MCAH10-1	10ml
MCAH25-1	25ml
MCAH50-1	50ml
MCAH100-1	100ml
MCAH250-1	250ml
MCAH500-1	500ml
MCAH1000-1	1000ml
MCAH2000-1	2000ml

Measuring Cylinder, Class B, Plastic Base, 5ml - 2000ml



ISO 4788, Plastic Stoppered, Borosilicate Glass (SIMAX) 5ml - 2000ml

Code	Volume
MCBPH5-1	5ml
MCBPH10-1	10ml
MCBPH25-1	25ml
MCBPH50-1	50ml
MCBPH100-1	100ml
MCBPH250-1	250ml
MCBPH500-1	500ml
MCBPH1000-1	1000ml
MCBPH2000-1	2000ml

Measuring Cylinder, Class B, Hexagonal Base, 5ml - 2000ml



Hexagonal Base, Borosilicate Glass (SIMAX) 5ml - 2000ml

Code	Volume
MCHB5-1	5ml
MCHB10-1	10ml
MCHB25-1	25ml
MCHB50-1	50ml
MCHB100-1	100ml
MCHB250-1	250ml
MCHB500-1	500ml
MCHB1000-1	1000ml
MCHB2000-1	2000ml

Measuring Cylinder, Class B with Cylinder 10ml - 2000ml



Glass, Academy, 10ml - 2000ml

Code	Volume
AMC10-1	10ml
AMC25-1	25ml
AMC50-1	50ml
AMC100-1	100ml
AMC250-1	250ml
AMC500-1	500ml
AMC1000-1	1000ml
AMC2000-1	2000ml

* Multipacks available on our website

* Multipacks available on our website

Beakers

Low Form Beaker 25ml - 5000ml



Beaker Low Form, Borosilicate Glass, Academy 25ml - 5000ml

Code	Volume
ABSF25-1	25ml
ABSF50-1	50ml
ABSF100-1	100ml
ABSF150-1	150ml
ABSF250-1	250ml
ABSF400-1	400ml
ABSF600-1	600ml
ABSF2000-1	2000ml
ABSF3000-1	3000ml
ABSF5000-1	5000ml

Low Form Beaker with Spout 25ml - 5000ml



Graduated Low Form Beaker with Spout (SIMAX) 10ml - 20,000ml

Code	Volume
LBSG10-1	10ml
LBSG25-1	25ml
LBSG50-1	50ml
LBSG100-1	100ml
LBSG150-1	150ml
LBSG400-1	400ml
LBSG600-1	600ml
LBSG800-1	800ml
LBSG1000-1	1000ml
LBSG2000-1	2000ml
LBSG3000-1	3000ml
LBSG5000-1	5000ml
LBSG10000-1	10000ml
LBSG20000-1	20000ml

Low Form Beaker with Spout and Handle 250ml - 1000ml



Glass Beaker (SIMAX) 250ml - 1000ml

Code	Volume
LBSH250-1	250ml
LBSH400-1	400ml
LBSH600-1	600ml
LBSH1000-1	1000ml

Tall Form Beaker with Spout and Handle 50ml - 3000ml



Graduated, Borosilicate Glass (SIMAX) 50ml - 3000ml

Code	Volume
HBGS50-1	50ml
HBGS100-1	100ml
HBGS150-1	150ml
HBGS250-1	250ml
HBGS400-1	400ml
HBGS600-1	600ml
HBGS800-1	800ml
HBGS1000-1	1000ml
HBGS2000-1	2000ml
HBGS3000-1	3000ml

Wash Bottles

Integrated Wash Bottle, LDPE, Narrow Neck (Tarsons) 125ml - 500ml



These bottles are made of translucent and low density polyethylene.

Code	Volume
WBIN125-1	125ml
WBIN250-1	250ml
WBIN500-1	500ml

Wash Bottle Natural, LDPE, Narrow Neck (Tarsons) 125ml - 1000ml



Traditional style narrow mouth wash bottles made of LDPE construction useful for dispensing liquids.

Code	Volume
WBTA125-1	125ml
WBTA250-1	250ml
WBTA500-1	500ml
WBTA1000-1	1000ml

Wash Bottle Natural, Wide Neck 250ml - 500ml



These wash bottles are a reliable solution for precise liquid dispensing.

Code	Volume
WB250-1	250ml
WB500-1	500ml

Wash Bottle, Polyethylene, Narrow Neck (Kartell) 50ml - 1000ml



Ideal for distilled water, the stream of liquid is regulated by hand pressure.

Code	Volume
WBKL50-1	50ml
WBKL100-1	100ml
WBKL250-1	250ml
WBKL500-1	500ml
WBKL1000-1	1000ml

Acetone Pre-Printed Wash Bottle



Code	Volume
WBAC250-1	250ml
WBAC500-1	500ml

Distilled Water Pre-Printed Wash Bottle



Code	Volume
WBDW250-1	250ml
WBDW500-1	500ml

Ethanol Pre-Printed Wash Bottle



Code	Volume
WBETH250-1	250ml
WBETH500-1	500ml

Isopropanol Pre-Printed Wash Bottle



Code	Volume
WBIPA250-1	250ml
WBIPA500-1	500ml

Methanol Pre-Printed Wash Bottle



Code	Volume
WBMTL250-1	250ml
WBMTL500-1	500ml

* Multipacks available on our website

Retort Stands

Retort Stands & Rods

Description	Size	Code
Retort Stand Base, Rectangular, With Rod, Cast Iron, Blue Finish	115 x 75	RBRR11575-1
Retort Stand Base, Rectangular, With Rod, Cast Iron, Blue Finish	160 x 100	RBRR160100-1
Retort Stand Base, Rectangular, With Rod, Cast Iron, Blue Finish	200 x 125	RBRR200125-1
Retort Stand Base, Rectangular, With Rod, Cast Iron, Blue Finish	250 x 160	RBRR250160-1
Retort Stand Base, Rectangular, With Rod, Cast Iron, Blue Finish	315 x 200	RBRR315200-1
Retort Stand, PP/Plastic Coated Rod, Central rod hole	22 x 15cm	RBPRC2215-1
Retort Stand, PP/Plastic Coated Rod, Central rod hole	30 x 20cm	RBPRC3020-1
Retort Stand, PP/Plastic Coated Rod, Side rod hole	22 x 15cm	RBPRS2215-1
Retort Stand, PP/Plastic Coated Rod, Side rod hole	30 x 20cm	RBPRS3020-1
Retort Stand, PP/SS Rod, Side rod hole	22 x 15cm	RBSRS3020-1
Retort Stand, PP/SS Rod, Central rod hole	22 x 15cm	RBSRC3020-1
Retort Stand, PP/SS Rod, Central rod hole	30 x 20cm	RBSRS2215-1
Retort Base	160 x 100mm	RETB160100-1
Retort Base	200mm x 125mm	RETB200125-1
Retort Base	250mm x 160mm	RETB250160-1
Academy Zinc plated retort rod	500mm	RETR500-1
Academy Zinc plated retort rod	600mm	RETR600-1
Academy Zinc plated retort rod	750mm	RETR750-1
Tripod Retort Stand, Base Only	85mm	TRETB85-1
Tripod Retort Stand, Base Only	110mm	TRETB110-1
Tripod Retort Stand, Base Only	135mm	TRETB135-1
Tripod Retort Stand, Base Only	175mm	TRETB175-1



Bosshead Clamps

Description	Size	Code
Bosshead, Aluminium Alloy, Plastic Coated, Black	13mm	BHB13-1
Bosshead, Aluminium Alloy, Plastic Coated, White	13mm	BHW13-1
Bosshead, Chrome	13mm	BCHR13-1
Bosshead, Nickel Plated Finish Alloy, With Round Blue Screw Head	15mm	BHNS15-1
Bosshead, Aluminium Alloy, Plastic Coated, Black	16mm	BHB16-1
Bosshead, Aluminium Alloy, Plastic Coated, White	16mm	BHW16-1
Bosshead, Nickel Plated	16mm	BCHR16-1
Metal Double Rotating Bosshead	16mm	MDRC16-1
Bosshead, Die-cast Alloy, Black Painted	20mm	BHDB20-1
Bosshead, Aluminium Alloy, Plastic Coated, Black	21mm	BHB21-1
Bosshead, Aluminium Alloy, Plastic Coated, White	21mm	BHW21-1
Bosshead, Chrome	21mm	BCHR21-1
Bosshead, Aluminium Alloy, Plastic Coated, Black	25mm	BHB25-1
Bosshead, Aluminium Alloy, Plastic Coated, White	25mm	BHW25-1
Bosshead, Chrome	25mm	BCHR25-1



* Multipacks available on our website

Retort Stands

Accessories

Description	Size	Code
Clamp, Four Fingers, Chrome	80mm	4FC80-1
Retort Ring Support	50mm	RETRS50-1
Retort Ring Support	60mm	RETRS60-1
Retort Ring Support	80mm	RETRS80-1
Retort Ring Support	100mm	RETRS100-1
Retort Ring Support	120mm	RETRS120-1
Retort Ring Support	140mm	RETRS140-1
Retort Ring Support with Bosshead	60mm	RETRSB60-1
Retort Ring Support with Bosshead	80mm	RETRSB80-1
Retort Ring Support with Bosshead	100mm	RETRSB100-1
Retort Ring Support with Bosshead	120mm	RETRSB120-1
Retort Ring Support with Bosshead	140mm	RETRSB140-1
Three Finger Clamp, Large, Adjustable, Nickel Coated Zinc Alloy, PVC Coated Jaws	70mm Opening, 8mm OD Rod	3FC70P-1

* Multipacks available on our website



ISO13485 compliant products
simply delivering consistency
and reliability to **Life Sciences**

Unit 2A
East Tame Business Park
Rexcine Way
Hyde
United Kingdom
SK14 4GX

+44 (0) 161 366 5123
sales@atomscientific.com
www.atomsscientific.com