



Reactivo®



PRODUCT CATALOGUE

Titrant

Titrimetry | Volumetric Analysis

2023

Edition 01



About our products

TiReady

Standardised Titrant Series

Reactivo® provides a diverse selection of Titrants that meet strict manufacturing and testing criteria. Our offerings include standardized acids and bases, redox and complexometric titrants, as well as non-aqueous titrants and chemical indicators, all readily available to assist with your application needs.



Our Motto

Designed for Quality

At Reactivo®, we are committed to delivering superior quality products that are "Designed for Quality." From our careful selection of raw materials to our state-of-the-art facilities and instrumental support, we strive to provide the best possible products and personalized services to our customers.

- Team Reactivo®



Time & Cost Saving

Reactivo® saves you time and cost with customisable reagents and titrants available in various packaging sizes. Our ready-made products offer assured quality, eliminating the need for re-measuring and saving valuable lab time and reducing man-hourly costs.



Freshly made-to-order

As the sole local manufacturer of chemicals and reagents, Reactivo® provides timely delivery services to ensure the stability of your supply chain and the sustainability of your business.



Reliable Quality

At Reactivo®, we take pride in our reliable quality standards. Our manufacturing and quality control processes are in compliance with ISO/IEC 9001 and all of our products are rigorously tested for quality with a Certificate of Analysis. This ensures the stability of the solution for the entire shelf life of our products, even in unopened bottles.



Value added service

Reactivo® offers high-quality aqueous, non-aqueous, and complex titrants and reagents to support your unique testing protocols and applications. Our technical knowledge and experience ensures that our products enhance the accuracy and efficiency of your lab work and meet your specific needs.

Titrant & Reagent



Consistency & Accuracy

Consistency and accuracy are our top priorities. We perform titer determination for each solution under controlled conditions and trace our volumetric solutions to certified reference materials. These reference materials are directly traceable to standard reference materials from NIST, providing you with the confidence to achieve accurate and reliable results in your lab work.

Acetic Acid

A weak organic acid that is commonly used in laboratories as a solvent, reagent, and pH buffer. It is also used in the production of various chemicals, such as vinyl acetate and cellulose acetate.

Danger

H226 - Flammable liquid and vapour.
H314 - Causes severe skin burns and eye damage.

Synonym

Ethanoic acid
Hydrogen acetate
Ethylic acid

Molecular Weight

60.05 g/mol

Formula

CH₃COOH

CAS 64-19-7 EC 200-580-7 UN 2789



Reagent

Acetic Acid Solution, 79%

Assay 79.0 %

Description	Volume	Pack. Material
AC001-1000P	1L	P

Reagent

Acetic Acid Solution, 30%

Assay 30.0 %

Description	Volume	Pack. Material
AC002-1000P	1L	P

Reagent

Acetic Acid Solution, 5%

Assay 5.0 %

Description	Volume	Pack. Material
AC003-1000P	1L	P

Reagent

Acetic Acid Solution, 3%

Assay 3.0 %

Description	Volume	Pack. Material
AC004-1000P	1L	P

Reagent

Acetic Acid Solution, 1N

Assay 1N

Description	Volume	Pack. Material
AC005-1000P	1L	P

Reagent

Acetic Acid Solution, 0.1N

Assay 0.1N

Description	Volume	Pack. Material
AC006-1000P	1L	P

Ammonia

A versatile compound with diverse applications in industries like agriculture, pharmaceuticals, and food production. It is ideal for use in refrigeration, cleaning.

Danger

H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H335 - May cause respiratory irritation.
H400 - Very toxic to aquatic life.

Synonym

Azane
Hydrogen nitride
Hydrogen amine
Amidogen

Molecular Weight

17.03 g/mol

Formula

NH₃

CAS 7664-41-7 EC 231-635-3 UN 1005



Reagent

Ammonia Solution, 20%

Assay 20.0 %

Description	Volume	Pack. Material
AS001-1000P	1L	P

Reagent

Ammonia Solution, 10% (v/v)

Assay 10.0 %

Description	Volume	Pack. Material
AS002-1000P	1L	P

Reagent

Ammonia Solution, 9%

Assay 9.0 %

Description	Volume	Pack. Material
AS003-1000P	1L	P

Titrant

Ammonia Solution, 1M/1N

Assay 1M

Description	Volume	Pack. Material
AS005-1000P	1L	P

Reagent

Ammonia Solution, 5%

Assay 5.0 %

Description	Volume	Pack. Material
AS004-1000P	1L	P

Titrant

Ammonia Solution, 0.5M/0.5N

Assay 0.5M

Description	Volume	Pack. Material
AS006-1000P	1L	P

Barium Chloride

a laboratory reagent and in the production of various other chemicals, such as barium chromate and barium fluoride. In the medical industry, it is used as a contrast agent in X-ray imaging of the gastrointestinal tract.

Danger

H301 - Toxic if swallowed.
H332 - Harmful if inhaled.

Synonym

Barium dichloride
Barium muriate
Muryate of Barytes
Dichlorobarium

Molecular Weight

208.23g/mol

Formula

BaCl₂

CAS 10361-37-2 EC 233-788-1 UN 1564



Reagent

Barium Chloride, 10%

Assay 10.0%

Description	Volume	Pack. Material
BC001-1000P	1L	P

Reagent

Barium Chloride, 5%

Assay 5.0%

Description	Volume	Pack. Material
BC002-1000P	1L	P

Titrant

Barium Chloride, 1M

Assay 1M

Description	Volume	Pack. Material
BC003-1000P	1L	P

EDTA Disodium salt

A chelating agent used in complexometric titration to measure metal ion concentrations in solutions. It is also used in biochemistry, analytical chemistry as a preservative or production of detergents, paper, and textiles

Warning

H332 Harmful if inhaled.
H373 May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

Synonym

Edathamil
EDTA disodium salt
Edetate disodium salt dihydrate

Molecular Weight

326.21g/mol

Formula

C₁₀H₁₄N₂Na₂O₈

CAS 6381-92-6 EC 200-449-4 UN 3077



High Precision Titrant

EDTA Disodium Salt Solution, 0.100M

Assay 0.100M

Description	Volume	Pack. Material
ED001-1000P	1L	P

Titrant

EDTA Disodium Salt Solution, 0.1M

Assay 0.1M

Description	Volume	Pack. Material
ED002-1000P	1L	P

Titrant

EDTA Disodium Salt Solution, 0.05M

Assay 0.05M

Description	Volume	Pack. Material
ED003-1000P	1L	P

Titrant

EDTA Disodium Salt Solution, 0.01M

Assay 0.01M

Description	Volume	Pack. Material
ED004-1000P	1L	P

Hanus

Used for the quantitative determination of halogens in organic compounds. And is used in titration methods to measure halogen concentrations

CAS Mixture EC Mixture UN Mixture

Danger

H226: Flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.



Mixture

CAS No. 64-19-7, EC No. 200-580-7, UN No. 2789
CAS No. 7789-00-6, EC No. 232-140-5, UN No. 3086

Formula

BrI

Reagent

Hanus Solution, 0.1N

Assay 0.1N

Description	Volume	Pack. Material
HS001-1000P	1L	P

Hydrochloric Acid

is commonly used in pH adjustment, cleaning, and chemical synthesis. It is also used in industrial applications such as pickling and metal cleaning, or feedstock for the production of vinyl chloride and polyvinyl chloride.

CAS 7647-01-0 EC 231-595-7 UN 1789

Danger

H290 - May be corrosive to metals.
H314 and H318 - Causes severe skin burns and eye damage.
H335 - May cause respiratory irritation.



Synonym

Chlorane
Muriatic acid
Spirits of salt
Hydronium chloride
Chlorhydric Acid

Molecular Weight

36.46g/mol

Formula

HCl

Titrant

Hydrochloric Acid Solution, 5%

Assay 5% (w/w)

Description	Volume	Pack. Material
HA001-1000P	1L	P

Titrant

Hydrochloric Acid Solution, 6N

Assay 6N

Description	Volume	Pack. Material
HA002-1000P	1L	P

Titrant

Hydrochloric Acid Solution, 2.5N

Assay 2.5N

Description	Volume	Pack. Material
HA003-1000P	1L	P

Titrant

Hydrochloric Acid Solution, 2N

Assay 2N

Description	Volume	Pack. Material
HA004-1000P	1L	P

Titrant

Hydrochloric Acid Solution, 1N

Assay 1N

Description	Volume	Pack. Material
HA005-1000P	1L	P

High Precision Titrant

Hydrochloric Acid Solution, 0.500N

Assay 0.500N

Description	Volume	Pack. Material
HA006-1000P	1L	P

High Precision Titrant

Hydrochloric Acid Solution, 0.100N

Assay 0.100N

Description	Volume	Pack. Material
HA007-1000P	1L	P

Titrant

Hydrochloric Acid Solution, 0.1N

Assay 0.1N

Description	Volume	Pack. Material
HA008-1000P	1L	P

Titrant

Hydrochloric Acid Solution, 0.05N

Assay 0.05N

Description	Volume	Pack. Material
HA009-1000P	1L	P

Iodine

A solution of iodine in water or alcohol, and it is commonly used in laboratory and medical settings. It is used as a disinfectant, an indicator in titrations, and as a reagent in various chemical reactions

CAS 7553-56-2 EC 231-442-4 UN 1789

Danger

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H372 Causes damage to organs (Thyroid) through prolonged or repeated exposure if swallowed.
H400 Very toxic to aquatic life.



Molecular Weight
253.81g/mol

Formula
I₂

Titrant

Iodine Solution, 0.1N

Assay 0.1N

Description	Volume	Pack. Material
IS001-1000P	1L	

Titrant

Iodine Solution, 0.02N

Assay 0.02N

Description	Volume	Pack. Material
IS002-1000P	1L	

Titrant

Iodine Solution, 0.01N

Assay 0.01N

Description	Volume	Pack. Material
IS003-1000P	1L	

Nitric Acid

A strong oxidizing agent and is used in chemical synthesis, as a production of fertilizers, plastics, explosives, cleaning agent, and in etching and engraving processes

CAS 7697-37-2 EC 231-714-2 UN 2031

Danger

H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H332 - Harmful if inhaled

Synonym

Citric acid
Aqua fortis
Spirit of niter
Hydrogen nitrate

Molecular Weight
63.01g/mol

Formula
HNO₃



Reagent

Nitric Acid Solution, 10% (w/w)

Assay 10.0%

Description	Volume	Pack. Material
NA001-1000P	1L	

Reagent

Nitric Acid Solution, 4% (w/w)

Assay 4.0%

Description	Volume	Pack. Material
NA002-1000P	1L	

Titrant

Nitric Acid Solution, 2M

Assay 2.0M

Description	Volume	Pack. Material
NA003-1000P	1L	

Titrant

Nitric Acid Solution, 1M

Assay 1.0M

Description	Volume	Pack. Material
NA004-1000P	1L	

Titrant

Nitric Acid Solution, 0.5M

Assay 0.50M

Description	Volume	Pack. Material
NA005-1000P	1L	

Phenolphthalein in Ethanol (EtOH)

Used in acid-base titrations to determine the endpoint of a reaction, indicating when the solution become neutralized or acidic. Also used in testing the pH of solutions, and in qualitative analysis to identify the presence of certain ions.

CAS Mixture EC Mixture UN Mixture

Danger

H226 - Flammable liquid and vapour
H319 - Causes eye irritation
H341 - Suspected of causing genetic defects.
H350 - May cause cancer

Mixture

CAS No. 77-09-8, EC No. 201-058-1, UN No. 3295
CAS No. 64-17-5, EC No. 200-578-6, UN No. 1090

Formula
C₂₀H₁₄O₄



Reagent

Phenolphthalein Indicator Solution, 10g/L

Assay 10.0g/L

Description	Volume	Pack. Material
PI001-1000G	1L	G

Phenolphthalein in Ethanol (EtOH) and Water (H₂O)

Used in acid-base titrations to determine the endpoint of a reaction, indicating when the solution become neutralized or acidic. Also used in testing the pH of solutions, and in qualitative analysis to identify the presence of certain ions.

CAS Mixture EC Mixture UN Mixture

Danger

H226 - Flammable liquid and vapour
H319 - Causes eye irritation
H341 - Suspected of causing genetic defects.
H350 - May cause cancer



Mixture

CAS No. 77-09-8, EC No. 201-058-1, UN No. 3295
CAS No. 64-17-5, EC No. 200-578-6, UN No. 1090
CAS No. 7732-18-5, EC No. -, UN No. -

Formula

C₂₀H₁₄O₄

Reagent

Phenolphthalein Indicator Solution, 1%

Assay 1.0%

Description	Volume	Pack. Material
PI002-1000G	1L	G

Reagent

Phenolphthalein Indicator Solution, 0.5 wt%

Assay 0.5 wt%

Description	Volume	Pack. Material
PI101-1000G	1L	G

Phosphoric Acid

Used as primary standard acid for the standardization of base solutions, and in complexometric titrations to form chelate complexes with metal ions, such as calcium or magnesium ions.

CAS 7664-38-2 EC 231-633-2 UN 1805

Danger

H290 May be corrosive to metals
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage.



Synonym

Orthophosphoric acid
Phosphoric(V) acid

Molecular Weight

97.99 g/mol

Formula

H₃PO₄

Reagent

Phosphoric Acid Solution, 40% (w/w)

Assay 40.0%

Description	Volume	Pack. Material
PA001-1000P	1L	P

Reagent

Phosphoric Acid Solution, 25%

Assay 10.0%

Description	Volume	Pack. Material
PA002-1000P	1L	P

Reagent

Phosphoric Acid Solution, 10% (w/v)

Assay 10.0%

Description	Volume	Pack. Material
PA003-1000P	1L	P

Titrant

Phosphoric Acid Solution, 0.1M

Assay 0.1M

Description	Volume	Pack. Material
PA004-1000P	1L	P

TiReady

Potassium Chloride

Used as a reference solution to standardize silver nitrate solutions for chloride ion determination and supporting electrolyte in redox titrations, such as in the determination of ferrous ion with cerium(IV) sulfate.

CAS 7447-40-7 EC 231-211-8 UN 1481

None

Not considered as a hazardous material or mixture according to GHS



Synonym

Potassium monochloride
Potassium Salt

Molecular Weight

74.55 g/mol

Formula

KCl

Reagent

Potassium Chloride Solution, 3M

Assay 3.0M

Description	Volume	Pack. Material
PC001-1000P	1L	P

Reagent

Potassium Chloride Solution, 1M

Assay 1.0M

Description	Volume	Pack. Material
PC002-1000P	1L	P

Reagent

Potassium Chloride Solution, 0.1N

Assay 0.10N

Description	Volume	Pack. Material
PC003-1000P	1L	P

TiReady**Potassium Hydroxide**

A strong base to titrate against acid. It is used as reagent in organic chemistry for various reactions, such as in the saponification of esters, can also be used to adjust the pH of solutions or quantitative analysis through titrations.

CAS 1310-58-3 EC 215-181-3 UN 1813

Danger

H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.

**Synonym**

Caustic potash
Potash lye
Potassium hydrate

Molecular Weight

56.11 g/mol

Formula

KOH

Reagent**Potassium Hydroxide Solution, 17%**

Assay 17.00%

Description	Volume	Pack. Material
PH001-1000P	1L	P

Reagent**Potassium Hydroxide Solution, 10N**

Assay 10.0N

Description	Volume	Pack. Material
PH002-1000P	1L	P

Titration**Potassium Hydroxide Solution, 3M**

Assay 3.0M

Description	Volume	Pack. Material
PH003-1000P	1L	P

High Precision Titration**Potassium Hydroxide Solution, 1.000M**

Assay 1.000M

Description	Volume	Pack. Material
PH004-1000P	1L	P

Titration**Potassium Hydroxide Solution, 0.5M**

Assay 0.5M

Description	Volume	Pack. Material
PH005-1000P	1L	P

High Precision Titration**Potassium Hydroxide Solution, 0.500M**

Assay 0.500M

Description	Volume	Pack. Material
PH006-1000P	1L	P

High Precision Titration**Potassium Hydroxide Solution, 0.100M**

Assay 0.100M

Description	Volume	Pack. Material
PH007-1000P	1L	P

Titration**Potassium Hydroxide Solution, 0.05N**

Assay 0.05N

Description	Volume	Pack. Material
PH008-1000P	1L	P

TiReady**Potassium Hydroxide in Ethanol (EtOH)**

Can be used to determine the acidity or basicity of a solution by titrating, and a reagent in organic synthesis, as a desiccant, and in the production of biodiesel.

CAS Mixture EC Mixture UN Mixture

Danger

H314 - Cause severe skin burns and eye damage
H318 - Causes serious eye damage
H370 - Causes damage to respiratory system
H402 - Harmful to aquatic life

**Mixture**

CAS No. 1310-58-3, EC No. 215-181-3, UN No. 1814
CAS No. 64-17-5, EC No. 200-578-6, UN No. 1170

Formula

KOH, C₂H₅OH

Titration**Potassium Hydroxide in Ethanol, 0.5N**

Assay 0.50N

Description	Volume	Pack. Material
PH101-1000P	1L	G

Titration**Potassium Hydroxide in Ethanol, 0.1N**

Assay 0.10N

Description	Volume	Pack. Material
PH102-1000P	1L	G

TiReady**Potassium Hydroxide in Methanol (MeOH)**

Commonly used in the determination of the acid number of oils and fats, as well as in the analysis of organic acids, carboxylic acids, and phenols.

CAS Mixture EC Mixture UN Mixture

Danger

H225 - Highly flammable liquid and vapour.
H290 - May be corrosive to metals
H301 + H311 + H331 - Toxic if swallowed, in contact with skin or if inhaled.
H314 - Causes severe skin burn and eye damage
H370 - Causes damage to organs (Eyes).

Mixture

CAS No. 1310-58-3, EC No. 215-181-3, UN No. 1814
CAS No. 67-56-1, EC No. 200-659-6, UN No. 1230

**Titration****Potassium Hydroxide in Methanol, 0.5M**

Assay 0.50M

Description	Volume	Pack. Material
PH201-1000P	1L	G

TiReady**Potassium Hydroxide in Isopropanol (2-Propanol)**

Commonly used as a titrant in laboratory applications such as acid-base titrations. It can also be used in the synthesis of various organic compounds.

CAS Mixture EC Mixture UN Mixture

Danger

H225 – Highly flammable liquid and vapour.
H290 – May be corrosive to metals
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H336 – May cause drowsiness or dizziness

Mixture

CAS No. 1310-58-3, EC No. 215-181-3, UN No. 1814
CAS No. 67-63-0, EC No. 200-661-7, UN No. 1219

**Titrant****Potassium Hydroxide in 2-Propanol, 1% (w/v)**

Assay 1.0%

Description	Volume	Pack. Material
PH301-1000P	1L	G

Titrant**Potassium Hydroxide in 2-Propanol, 0.1N**

Assay 0.10N

Description	Volume	Pack. Material
PH302-1000P	1L	G

TiReady**Potassium Iodide**

Often used to titrate solutions containing oxidizing agents such as sodium hypochlorite or hydrogen peroxide. Also used as an indicator in the titration of lead and copper ions.

CAS 7681-11-0 EC 231-659-4 UN 3077

Danger

H372 – Causes damage to organs (Thyroid) through prolonged or repeated exposure if swallowed.

Synonym

Potassium monoiodide
KI solution

Molecular Weight

166.0 g/mol

Formula
KI

**Reagent****Potassium Iodide Solution, 10%**

Assay 10.0%

Description	Volume	Pack. Material
PI001-1000P	1L	G

TiReady**Potassium Permanganate**

Useful in acid-base titrations with high reactivity with acidic solutions. Used in the saponification process of fats and oils, determination of fatty acids and esters, titration of weak organic acids and in the preparation of buffer solutions.

CAS 7722-64-7 EC 231-760-3 UN 1490

Danger

H272 – May intensify fire; oxidiser.
H302 – Harmful if swallowed.
H411 – Toxic to aquatic life with long lasting effects

Synonym

Permanganate of Potash

Molecular Weight

158.03 g/mol

Formula
KMnO₄

**Titrant****Potassium Permanganate Solution, 0.2M**

Assay 0.2M

Description	Volume	Pack. Material
PP001-1000P	1L	G

Titrant**Potassium Permanganate Solution, 0.02M**

Assay 0.02M

Description	Volume	Pack. Material
PP002-1000P	1L	G

Titrant**Potassium Permanganate Solution, 0.01M**

Assay 0.01M

Description	Volume	Pack. Material
PP003-1000P	1L	G

Titrant**Potassium Permanganate Solution, 0.002M**

Assay 0.002M

Description	Volume	Pack. Material
PP004-1000P	1L	G

TiReady**Silver Nitrate**

Commonly used as an analytical reagent, to determine the concentration of chloride ions in a solution through a precipitation reaction. Also used in the detection and quantification of halides, thiocyanates, and cyanides.

CAS 7761-88-8 EC 231-853-9 UN 1493

Warning

H290 – May be corrosive to metals.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H410 – Very toxic to aquatic life with long lasting effects.

Synonym

Lunar Caustic

Molecular Weight

169.87 g/mol

Formula
AgNO₃

**Titrant****Silver Nitrate Solution, 1M**

Assay 1.0M

Description	Volume	Pack. Material
SN001-1000P	1L	G

Titrant**Silver Nitrate Solution, 0.1M**

Assay 0.10M

Description	Volume	Pack. Material
SN002-1000P	1L	G

High Precision Titrant Silver Nitrate Solution, 0.100M

Assay 0.100M

Description	Volume	Pack. Material
SN003-1000P	1L	P

TiReady Silver Nitrate in Acetic Acid

Used as a reagent in laboratory for various applications such as testing for halides, identifying alcohols, and in the synthesis of organic compounds.

CAS Mixture EC Mixture UN Mixture

Danger

H226 - Flammable liquid and vapour.
H314 - Causes severe skin burns and eye damage.



Mixture

CAS No. 7761-88-8, EC No. 231-853-9, UN No. 1493
CAS No. 64-19-7, EC No. 200-580-7, UN No. 2789

Formula

AgC₂H₃O₂

Titrant Silver Nitrate Solution, 1M

Assay 1.0M

Description	Volume	Pack. Material
SN101-1000P	1L	P

TiReady Sodium Chloride

Used as a titrant in the Mohr method for the determination of chloride ions in a solution. Additionally, it can serve as an electrolyte in various types of titrations, such as potentiometric titration.

CAS 7647-14-5 EC 231-598-3 UN 1074

None

Not considered as a hazardous material or mixture according to GHS



Synonym

Table salt
Rock salt

Molecular Weight

58.44 g/mol

Formula

NaCl

Titrant Sodium Chloride Solution, 3%

Assay 3.0%

Description	Volume	Pack. Material
SC001-1000P	1L	P

Titrant Sodium Chloride Solution, 1%

Assay 1.0%

Description	Volume	Pack. Material
SC002-1000P	1L	P

Titrant Sodium Chloride Solution, 10ppm Na

Assay 10.0ppm

Description	Volume	Pack. Material
SC003-1000P	1L	P

Titrant Sodium Chloride Solution, 1ppm Na

Assay 1.0ppm

Description	Volume	Pack. Material
SC004-1000P	1L	P

TiReady Sodium Hydroxide

Used to titrate weak acids, such as acetic acid or oxalic acid, to determine their concentration. Acidic salts to determine their basicity or to determine the concentration of strong acids by back-titration.

CAS 1310-73-2 EC 215-185-5 UN 1823

Danger

H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H290 - May be corrosive to metals



Synonym

caustic soda
lye
sodium hydrate

Molecular Weight

40.00 g/mol

Formula

NaOH

Reagent Sodium Hydroxide Solution, 50%

Assay 50.0%

Description	Volume	Pack. Material
SH001-1000P	1L	P

Reagent Sodium Hydroxide Solution, 10%

Assay 10.0%

Description	Volume	Pack. Material
SH002-1000P	1L	P

Reagent Sodium Hydroxide Solution, 3%

Assay 3.0%

Description	Volume	Pack. Material
SH003-1000P	1L	P

Titrant Sodium Hydroxide Solution, 5N

Assay 5.0N

Description	Volume	Pack. Material
SH004-1000P	1L	P

Titrant Sodium Hydroxide Solution, 2N

Assay 2.0N

Description	Volume	Pack. Material
SH005-1000P	1L	P

Titrant Sodium Hydroxide Solution, 1.0N

Assay 1.0N

Description	Volume	Pack. Material
SH007-1000P	1L	P

Titrant Sodium Hydroxide Solution, 0.5N

Assay 0.5N

Description	Volume	Pack. Material
SH009-1000P	1L	P

Titrant Sodium Hydroxide Solution, 0.3N

Assay 0.3N

Description	Volume	Pack. Material
SH011-1000P	1L	P

Titrant Sodium Hydroxide Solution, 0.1N

Assay 0.1N

Description	Volume	Pack. Material
SH013-1000P	1L	P

High Precision Titrant Sodium Hydroxide Solution, 1.000M

Assay 1.000M

Description	Volume	Pack. Material
SH006-1000P	1L	P

High Precision Titrant Sodium Hydroxide Solution, 0.500M

Assay 0.500M

Description	Volume	Pack. Material
SH008-1000P	1L	P

Titrant Sodium Hydroxide Solution, 0.4N

Assay 0.4N

Description	Volume	Pack. Material
SH010-1000P	1L	P

High Precision Titrant Sodium Hydroxide Solution, 0.100M

Assay 0.100M

Description	Volume	Pack. Material
SH012-1000P	1L	P

TiReady

Sodium Hydrochlorite

Can be titrated with thiosulfate solution to determine the available chlorine content. The amount of hypochlorite present can be calculated from the volume and concentration of thiosulfate required to reach the endpoint.

CAS 7681-52-9 EC 231-668-3 UN 1791

Danger

H314 - Causes severe skin burns and eye damage.
H400 - Very toxic to aquatic life

Synonym

Hypochlorous acid sodium salt
Sodium oxychloride

Molecular Weight

74.44 g/mol

Formula
NaOCl



Reagent

Sodium Hydrochlorite Solution, 10%

Assay 10%

Description	Volume	Pack. Material
SH101-1000P	1L	P

Reagent

Sodium Hydrochlorite Solution, 5%

Assay 5%

Description	Volume	Pack. Material
SH102-1000P	1L	P

TiReady

Sodium Thiosulfate

Used as a titrant in redox titrations, particularly to determine the concentration of iodine or other oxidizing agents. It can also be used in argentometric titrations to determine the concentration of silver ions.

CAS 10102-17-7 EC 231-867-5 UN 3077

None

Not considered as a hazardous material or mixture according to GHS

Synonym

Sodium hyposulfite
Sodium thiosulphate

Molecular Weight

248.18 g/mol

Formula
Na₂S₂O₃



Titrant

Sodium Thiosulfate Solution, 0.1N

Assay 0.1N

Description	Volume	Pack. Material
ST001-1000P	1L	P

Titrant

Sodium Thiosulfate Solution, 0.01N

Assay 0.01N

Description	Volume	Pack. Material
ST002-1000P	1L	P

S

TiReady

Sulphuric Acid

Commonly used as an analytical reagent, to determine the concentration of chloride ions in a solution through a precipitation reaction. Also used in the detection and quantification of halides, thiocyanates, and cyanides.

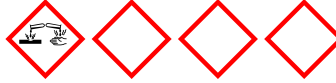
CAS 7664-93-9 EC 231-639-5 UN 1830

Danger
May be corrosive to metals.
Causes severe skin burns and eye damage

Synonym
Oil of vitriol

Molecular Weight
98.079 g/mol

Formula
H₂SO₄



Reagent

Sulphuric Acid Solution, 25%

Assay 25%

Description	Volume	Pack. Material
SA001-1000P	1L	P

Reagent

Sulphuric Acid Solution, 15%

Assay 15%

Description	Volume	Pack. Material
SA002-1000P	1L	P

Reagent

Sulphuric Acid Solution, 9% (w/w)

Assay 9%

Description	Volume	Pack. Material
SA003-1000P	1L	P

Reagent

Sulphuric Acid Solution, 10N / 20M

Assay 10N / 20M

Description	Volume	Pack. Material
SA004-1000P		

Titrant

Sulphuric Acid Solution, 1N / 2M

Assay 1.0N / 2.0M

Description	Volume	Pack. Material
SA005-1000P	1L	P

Titrant

Sulphuric Acid Solution, 0.5N / 1.0M

Assay 0.5N / 1.0M

Description	Volume	Pack. Material
SA006-1000P	1L	P

High Precision Titrant

Sulphuric Acid Solution, 0.500N / 1.000M

Assay 0.500N / 1.000M

Description	Volume	Pack. Material
SA007-1000P	1L	P

Titrant

Sulphuric Acid Solution, 0.25N / 0.5M

Assay 0.1N / 0.2M

Description	Volume	Pack. Material
SA008-1000P	1L	P

Titrant

Sulphuric Acid Solution, 0.1N / 0.2M

Assay 0.1N / 0.2M

Description	Volume	Pack. Material
SA009-1000P	1L	P

S

TiReady

Starch

Used in redox titrations and iodometric titrations to detect the endpoint when iodine and solution is being titrated.

CAS 9005-25-8 EC 232-679-6 UN N/A

None
Not considered as a hazardous material or mixture according to GHS

Synonym
Amylum

Molecular Weight
N/A

Formula
(C₆H₁₀O₅)_n



Reagent

Starch Indicator, 2%

Assay 2.0%

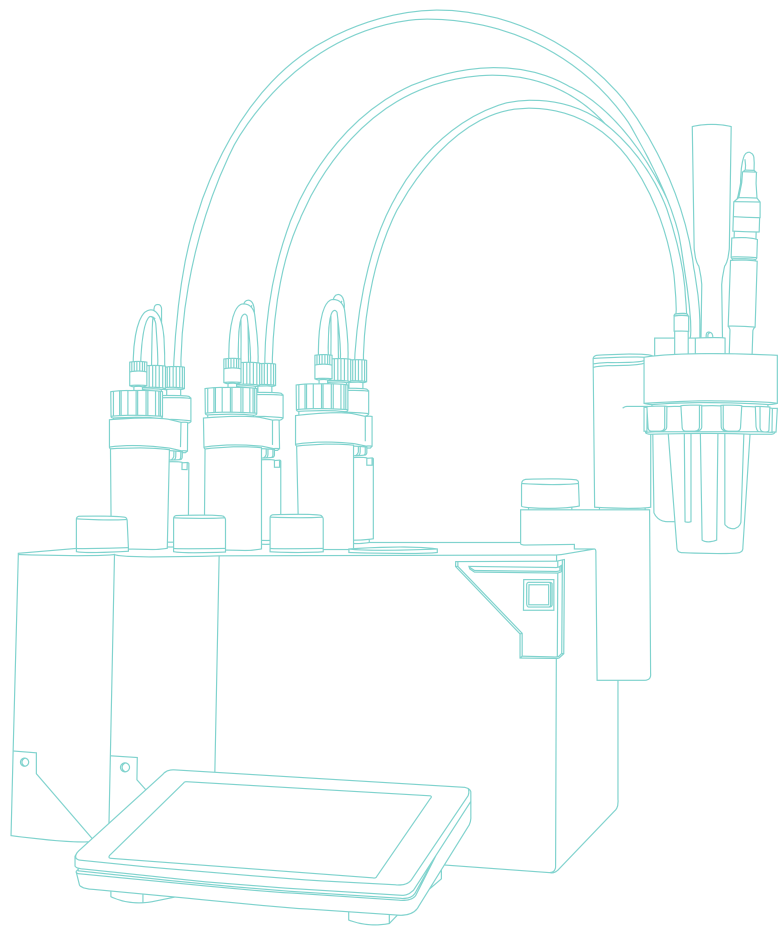
Description	Volume	Pack. Material
SI001-1000P	1L	G

Reagent

Starch Indicator, 1%

Assay 1.0%

Description	Volume	Pack. Material
SI002-1000P	1L	G



Reactivo®



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