



Volumetric solutions and indicators according to Reag. Pharmacopoeia

In the pharmaceutical sector, **precision and regulatory compliance** are essential to ensuring the **quality and safety** of products. Our new range of **standardized solutions and indicators** is specifically designed to meet the stringent requirements outlined in the **European Pharmacopoeia (Ph. Eur.)** and the **United States Pharmacopoeia (USP)**, providing **reliability in analytical processes** and quality control. These products are produced under **rigorous standards**, ensuring **traceability, purity, and stability** to meet the demands of the pharmaceutical industry.

Our range includes a wide variety of **ready-to-use volumetric solutions and indicators**, all with **precise concentrations** and certifications aligned with international standards.



Main advantages:

- **Regulatory compliance:** Specification according to Reag. Ph. Eur. and USP.
- **Guaranteed traceability:** Referenced to NIST/ SRM materials.
- **Reliable results.**

Volumetric solutions according to pharmacopoeia

Our volumetric solutions are ready-to-use and precisely formulated to meet the stringent requirements of the European Pharmacopoeia (Ph. Eur.) and United States Pharmacopoeia (USP). They ensure traceability, purity, and stability, offering reliability in analytical processes and quality control. Designed to simplify workflows, these solutions optimize preparation and reduce errors in pharmaceutical laboratories.

Product code	Product name	CAS number	Con- centra- tion	Titration against	Indicator	Pack sizes
181144	Ammonium Thiocyanate 0.1 mol/l (0.1N) (Reag. Ph. Eur.) volumetric solution	1762-95-4	0.1 mol/L	Silver Nitrate 0.1M	Ammoniacal Iron Alum	1 L
182000	Bromine (Bromate-Bromide) 0.05 mol/l (0.1N) (Reag. USP) volumetric solution	---	0.05 mol/L	Sodium Thiosulfate 0.1N	Starch	1 L
181249	Cerium(IV) Sulfate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution	10294-42-5	0.1 mol/L	Sodium Oxalate	---	1 L
181671	EDTA Disodium Salt 0.01 mol/l (0.01M) (Reag. USP) volumetric solution	6381-92-6	0.01 mol/L	Zinc Oxide	Eriochrome Black T (ZnO)	1 L

Volumetric solutions and indicators according to Reag. Pharmacopoeia

Product code	Product name	CAS number	Concentration	Titration against	Indicator	Pack sizes
182120	EDTA Disodium Salt 0.05 mol/l (0.05M) (Reag. USP) volumetric solution	6381-92-6	0.05 mol/L	Zinc Oxide	Eriochrome Black T (ZnO)	1 L, 5 L, 10 L
181670	EDTA Disodium Salt 0.1 mol/l (0.1M) (Reag. USP) volumetric solution	6381-92-6	1 mol/L	Zinc Oxide	Eriochrome Black T (ZnO)	1 L
182884	Hydrochloric Acid 0.01 mol/l (0.01N) (Reag. USP) volumetric solution	7647-01-0	0.01 mol/L	Tris-(hydroxymethyl) aminomethane	Methyl Red	1 L
183458	Hydrochloric Acid 0.02 mol/l (0.02N) (Reag. USP) volumetric solution	7647-01-0	0.02 mol/L	Tris-(hydroxymethyl) aminomethane	Methyl Red	1 L
181023	Hydrochloric Acid 0.1 mol/l (0.1N) (Reag. USP, Ph. Eur.) volumetric solution	7647-01-0	0.1 mol/L	Tris (Hydroxymethyl) Aminomethane	Methyl Red	1 L, 2.5 L, 10 L
181022	Hydrochloric Acid 0.5 mol/l (0.5N) (Reag. USP) volumetric solution	7647-01-0	0.5 mol/L	Tris-(hydroxymethyl) aminomethane	Methyl Red	1 L, 5 L, 10 L
181021	Hydrochloric Acid 1 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution	7647-01-0	1 mol/L	Tris	Methyl Red	1 L, 5 L, 10 L, 25 L
181969	Iodine 0.01 mol/l (0.02N) (Reag. Ph. Eur.) volumetric solution	7553-56-2	0.01 mol/L	Sodium Thiosulphate 0.1N	Starch	500 mL, 1 L
182161	Iodine 0.025 mol/l (0.05N) (Reag. USP) volumetric solution	7553-56-2	0.05 mol/L	Sodium Thiosulphate 0.1N	Starch	1 L
181772	Iodine 0.05 mol/l (0.1N) (Reag. USP, Ph. Eur.) volumetric solution	7553-56-2	0.05 mol/L	Sodium Thiosulphate 0.1N	Starch	1 L, 2.5 L
182162	Iodine 0.5 mol/l (1N) (Reag. Ph. Eur.) volumetric solution	7553-56-2	0.5 mol/L	Sodium Thiosulphate 0.1N	Starch	1 L
181043	Oxalic Acid 0.05 mol/l (0.1N) (Reag. USP) volumetric solution	6153-56-6	0.1 mol/L	Potassium Permanganate 0.1N	---	1 L
181047	Perchloric Acid 0.1 mol/l (0.1N) in 1,4-dioxan (Reag. USP) volumetric solution	---	0.1 mol/L	Potassium Hydrogen Phthalate	Crystal violet	1 L
181046	Perchloric Acid 0.1 mol/l (0.1N) in acetic acid (Reag. USP, Ph. Eur.) volumetric solution	---	0.1 mol/L	Potassium Hydrogen Phthalate	Crystal violet	1 L, 2.5 L
182146	Potassium Hydroxide 0.1 mol/l (0.1N) in ethanol (Reag. USP, Ph. Eur.) volumetric sol.	---	0.1 mol/L	Hydrochloric Acid 0.1M	Phenolphthalein	1 L
182147	Potassium Hydroxide 0.1 mol/l (0.1N) in methanol (Reag. USP) volumetric solution	---	0.1 mol/L	Hydrochloric Acid 0.1M	Phenolphthalein	1 L
181519	Potassium Hydroxide 0.5 mol/l (0.5N) in ethanol (Reag. USP) volumetric solution	---	0.5 mol/L	Hydrochloric Acid 0.5M	Phenolphthalein	1 L
181529	Potassium Permanganate 0.02 mol/l (0.1N) (Reag. USP) volumetric solution	7722-64-7	0.02 mol/L	Sodium Oxalate	---	1 L
181535	Potassium Thiocyanate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution	333-20-0	0.1 mol/L	Silver Nitrate 0.1M	Alum Iron Ammonium	1 L
182564	Silver Nitrate 0.01 mol/l (0.01N) (Reag. USP) volumetric solution	7761-88-8	0.01 mol/L	Sodium Chloride	Potassium chromate	1 L
182115	Silver Nitrate 0.05 mol/l (0.05N) (Reag. USP) volumetric solution	7761-88-8	0.05 mol/L	Sodium Chloride	Potassium chromate	1 L
186983	Silver Nitrate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution	7761-88-8	0.1 mol/L	Sodium Chloride	Eosine	1 L
181464	Silver Nitrate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution	7761-88-8	0.1 mol/L	Sodium Chloride	Potassium chromate	1 L, 2.5 L, 10 L
181693	Sodium Hydroxide 0.1 mol/l (0.1N) (Reag. USP, Ph. Eur.) volumetric solution	1310-73-2	0.1 mol/L	Hydrochloric Acid 1M	Bromophenol Blue	1 L
182284	Sodium Hydroxide 0.1 mol/l (0.1N) in ethanol (Reag. USP) volumetric solution	1310-73-2	0.1 mol/L	Tris-(hydroxymethyl) aminomethane	Phenolphthalein	1 L
181692	Sodium Hydroxide 0.5 mol/l (0.5N) (Reag. USP) volumetric solution	1310-73-2	0.5 mol/L	Tris-(hydroxymethyl) aminomethane	Bromophenol Blue	1 L, 10 L

Volumetric solutions and indicators according to Reag. Pharmacopoeia

Product code	Product name	CAS number	Concentration	Titration against	Indicator	Pack sizes
181691	Sodium Hydroxide 1 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution	1310-73-2	1 mol/L	Hydrochloric Acid 1M	Bromophenol Blue	1 L, 2.5 L, 5 L, 10 L
182415	Sodium Hydroxide 1 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution	1310-73-2	1 mol/L	Potassium Hydrogen Phthalate	Phenolphthalein	10 L
186987	Sodium Thiosulfate 0.1 mol/l (0.1N) (Reag. Ph. Eur.) volumetric solution	7772-98-7	0.1 mol/L	Potassium Bromate	Starch	1 L
181723	Sodium Thiosulfate 0.1 mol/l (0.1N) (Reag. USP) standard volumetric solution	7772-98-7	0.1 mol/L	Potassium Dichromate	Starch	1 L, 10 L
182102	Sulfuric Acid 0.01 mol/l (0.02N) (Reag. USP) volumetric solution	7664-93-9	0.01 mol/L	Tris-(hydroxymethyl) aminomethane	Methyl Red	1 L
182103	Sulfuric Acid 0.025 mol/l (0.05N) (Reag. USP) volumetric solution	7664-93-9	0.025 mol/L	Tris-(hydroxymethyl) aminomethane	Methyl Red	1 L
181061	Sulfuric Acid 0.05 mol/l (0.1N) (Reag. USP) volumetric solution	7664-93-9	0.05 mol/L	Tris-(hydroxymethyl) aminomethane	Methyl Red	1 L, 10 L, 25 L
181059	Sulfuric Acid 0.5 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution	7664-93-9	0.5 mol/L	Tris-(hydroxymethyl) aminomethane	Methyl Red	1 L, 2.5 L, 10 L

- **Standardization** according to European Pharmacopoeia and/or USP indicated on the product label.
- **NIST-traceable.**
- The **factor** of the solutions is adjusted to **1.000** with a precision of **±0.1%**, providing more accurate measurements.
- **Stable** for at least **36 months** in most cases.



Indicators for analysis according to pharmacopoeia

Our indicators are meticulously crafted to comply with European Pharmacopoeia (Ph. Eur.) and United States Pharmacopoeia (USP) standards. They provide precise, reliable results for quality control and analytical processes. Ready-to-use and stable, they simplify workflows and ensure regulatory compliance in pharmaceutical laboratories.

Product code	Product name	CAS number	Pack sizes
121546	Bromocresol Purple (Reag. USP) for analysis	115-40-2	25 g
131762	Crystal Violet (C.I. 42555) (Reag. Ph. Eur.) for analysis, ACS	548-62-9	100 g
132056	2,6-Dichlorophenol Indophenol Sodium Salt 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS	620-45-1	5 g
122844	Dimidium Bromide (Reag. Ph. Eur.) for analysis	518-67-2	1 g
131439	Eriochrome Black T (C.I. 14645) (Reag. Ph. Eur.) for analysis, ACS	1787-61-7	100 g
281432	Methyl Orange solution 0.1% (Reag. Ph. Eur.) for volumetric analysis	547-58-0	250 mL
131617	Methyl Red (C.I. 13020) (Reag. USP, Ph. Eur.) for analysis, ACS	493-52-7	100 g
131325	Phenolphthalein (Reag. USP, Ph. Eur.) for analysis, ACS	77-09-8	100 g
281327	Phenolphthalein solution 1% (Reag. USP, Ph. Eur.) for volumetric analysis	—	250 mL, 1 L
121096	Starch from Potato soluble (Reag. Ph. Eur.) for analysis	9005-84-9	500 g, 1 kg, 25 kg
283146	Starch solution 1% (Reag. Ph. Eur.) for volumetric analysis	9005-84-9	250 mL, 1 L



Auxiliary reagents

They are helper chemicals used during titration to improve accuracy, such as indicators, buffers, masking agents, or solubilizers.

Product code	Product name	CAS number	Pack sizes
131008	Acetic Acid glacial (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica	64-19-7	1 L, 2.5 L, 5 L
121129	Ammonia 25% (as NH ₃) (Reag. USP, Ph. Eur.) for analysis	1336-21-6	1 L, 5 L
131013	L(+)-Ascorbic Acid (Reag. USP) for analysis, ACS, BioChemica	50-81-7	100 g, 1 kg
281730	Buffer Solution pH 10 for volumetric analysis	---	1 L
131252	Chloroform stabilized with ethanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	67-66-3	1 L, 2.5 L
131296	1,4-Dioxan stabilized with ~ 25 ppm of BHT (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	123-91-1	1 L
131785	N,N-Dimethylformamide (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	68-12-2	1 L, 2.5 L, 5 L
131085	Ethanol 96% v/v (Reag. USP, Ph. Eur.) for analysis, ACS	64-17-5	1 L, 2.5 L, 5 L
131346	Hexamethylenetetramine (Reag. USP, Ph. Eur.) for analysis, ACS	100-97-0	1 kg
131020	Hydrochloric Acid 37% (max. 0.0000005% Hg) (Reag. USP) for analysis, ACS, ISO	7647-01-0	1 L, 2.5 L, 5 L
131091	Methanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica	67-56-1	1 L, 2.5 L, 5 L
131037	Nitric Acid 69% (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	7697-37-2	1 L, 2.5 L, 5 L
131542	Potassium Iodide (Reag. USP) for analysis, ACS, ISO	7681-11-0	250 g, 500 g, 1 kg
131659	Sodium Chloride for analysis, ACS, ISO, BioChemica	7647-14-5	500 g, 1 kg, 5 kg
131638	Sodium Hydrogen Carbonate (Reag. USP) for analysis, ACS, ISO	144-55-8	1 kg
131058	Sulfuric Acid 96% (max. 0.0000005% Hg) (Reag. Ph. Eur.) for analysis, ACS, ISO	7664-93-9	1 L, 2.5 L, 5 L
131074	Water for analysis, ACS	7732-18-5	1 L, 2.5 L, 5 L, 10 L, 25 L

For routine use of large amounts of prepared solutions and specially designed to optimize the preservation of the solutions, we have our **10 L Sol-Pack** package.

Sol-Pack consists of a collapsible polyethylene bag and an outer cardboard box, forming a light, practical and easily disposable pack. It incorporates a tap, which allows convenient dosing down to the last drop.



1 L plastic bottle compatible with automatic titrators available on the market.

IP-053EN

