



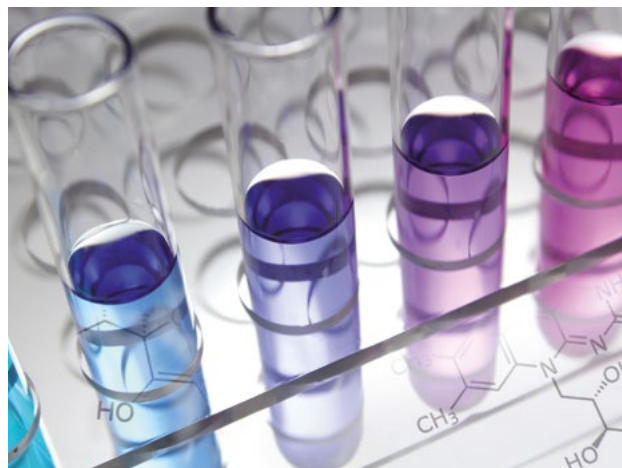
## ACCORDING TO PHARMACOPOEIA

## Indicators and volumetric solutions

**Indicators** are used with **volumetric solutions** to show the end-point of the titration through visual color change.

Indicators and volumetric solutions required in the tests and assays of the pharmacopoeia monographs have to meet the specifications indicated in the general chapter "Reagents" of the European Pharmacopoeia (Ph. Eur.) or in the chapter "Reagents, Indicators and Solutions" of the United States Pharmacopoeia (USP).

We use the denomination "Reag. Ph. Eur.", "Reag. USP" or "Reag. USP, Ph. Eur." when the product is described and fulfills the requirements for **analytical reagents**, indicated in these **general chapters of the pharmacopoeias**.



### Indicators and Indicator solutions for analysis according to pharmacopoeia

Our program includes indicators in both powder and ready-to-use solutions.

Product number	Product name	CAS number	Packaging
121546	Bromocresol Purple (Reag. USP) for analysis	115-40-2	25 g
123575	Calconcarboxylic Acid (Reag. Ph. Eur.) for analysis	3737-95-9	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
131828	Diphenylamine (Reag. USP, Ph. Eur.) for analysis, ACS	122-39-4	100 g
131439	Eriochrome Black T (C.I. 14645)(Reag. Ph. Eur.) for analysis, ACS	1787-61-7	25 g, 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, 500 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



## Volumetric solutions according to pharmacopoeia

Product number	Product name	Concentration	Titration against	Indicator	Ph. Eur.	USP	CAS number	Packaging
181144	Ammonium Thiocyanate	0.1 mol/l (0.1N)	Silver Nitrate 0.1M	Ammoniacal Iron Alum	•		1762-95-4	1 L
182000	Bromine (Bromate-Bromide)	0.05 mol/l (0.1N)	Sodium Thiosulfate 0.1N	Starch		•	—	1 L
181249	Cerium(IV) Sulfate	0.1 mol/l (0.1N)	Sodium Oxalate	—		•	10294-42-5	1 L
181021	Hydrochloric Acid	1 mol/l (1N)	Tris	Methyl Red	•		7647-01-0	1 L, 5 L, 10 L, 25 L, 200 L
182161	Iodine	0.025 mol/l (0.05N)	Sodium Thiosulphate 0.1 M	Starch		•	7553-56-2	1 L
181772		0.05 mol/l (0.1N)			•	•		1 L, 2.5 L
182162		0.5 mol/l (1N)			•			1 L
181043	Oxalic Acid	0.05 mol/l (0.1N)	Potassium Permanganate 0.1N	—		•	6153-56-6	1 L
181046	Perchloric Acid	0.1 mol/l (0.1N) in acetic acid	Potassium Hydrogen Phthalate	Crystal violet	•	•	—	1 L, 2.5 L
181047		0.1 mol/l (0.1N) in 1,4-dioxan			•			1 L
182146	Potassium Hydroxide	0.1 mol/l (0.1N) in ethanol	Hydrochloric Acid 0.1M	Phenolphthalein	•	•	—	1 L
182147		0.1 mol/l (0.1N) in methanol			•			1 L
181519		0.5 mol/l (0.5N) in ethanol			•			1 L
181529	Potassium Permanganate	0.02 mol/l (0.1N)	Sodium Oxalate	—		•	7722-64-7	1 L, 2.5 L
181535	Potassium Thiocyanate	0.1 mol/l (0.1N)	Silver Nitrate 0.1M	Alum Iron Ammonium		•	333-20-0	1 L
186983	Silver Nitrate	0.1 mol/l (0.1N)	Sodium Chloride	Eosine		•	7761-88-8	1 L
181693	Sodium Hydroxide	0.1 mol/l (0.1N)	Hydrochloric Acid 1M	Bromo-phenol Blue	•	•	1310-73-2	1 L, 5 L, 10 L
181691		1 mol/l (1N)			•			1 L, 2.5 L, 5 L, 10 L
186987	Sodium Thiosulfate	0.1 mol/l (0.1N)	Potassium Bromate	Starch	•		7772-98-7	1 L
181723		0.1 mol/l (0.1N)	Potassium Dichromate		•			1 L, 10 L

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