

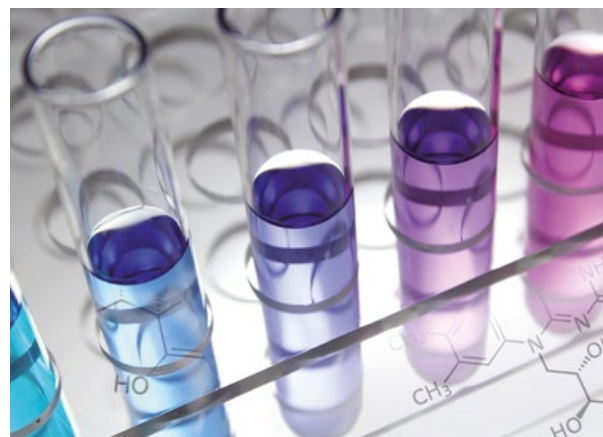


Volumetric Solutions and related products

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

Description	Code	Packaging
Bromocresol Purple (Reag. USP) for analysis	121546.1606	25 g
Bromophenol Blue (Reag. USP, Ph. Eur.) for analysis, ACS	131165.1604	5 g
	131165.1606	25 g
Bromothymol Blue (Reag. USP) for analysis, ACS	131167.1604	5 g
	131167.1606	25 g
Calconcarboxylic Acid (Reag. Ph. Eur.) for analysis	123575.1606	25 g
Crystal Violet (C.I. 42555) (Reag. Ph. Eur.) for analysis, ACS	131762.1608	100 g
2,6-Dichlorophenol Indophenol Sodium Salt 2-hydrate (Reag. Ph. Eur.) for analysis, ACS	132056.1604	5 g
Dimidium Bromide (Reag. Ph. Eur.) for analysis	122844.1603	1 g
Diphenylamine (Reag. Ph. Eur.) for analysis, ACS	131828.1608	100 g
Eriochrome Black T (C.I. 14645) (Reag. Ph. Eur.) for analysis, ACS	131439.1606	25 g
	131439.1608	100 g
Methyl Orange (C.I. 13025) (Reag. Ph. Eur.) for analysis, ACS	131431.1606	25 g
Methyl Orange solution 0.1% (Reag. Ph. Eur.) for volumetric analysis	281432.1208	100 ml
	281432.1209	250 ml
Methyl Red (C.I. 13020) (Reag. USP, Ph. Eur.) for analysis, ACS	131617.1605	10 g
	131617.1606	25 g
	131617.1608	100 g
Methylene Blue (C.I. 52015) (Reag. Ph. Eur.) for analysis	121170.1606	25 g
	121170.1608	100 g
Murexide (C.I. 56085) (Reag. Ph. Eur.) for analysis, ACS	131436.1604	5 g
Phenolphthalein (Reag. USP, Ph. Eur.) for analysis, ACS	131325.1208	100 g
	131325.1210	500 g





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Description	Code	Packaging
Phenolphthalein solution 0.1 % (Reag. Ph. Eur.) for volumetric analysis	283090.1208	100 ml
Phenolphthalein solution 1% (Reag. USP, Ph. Eur.) for volumetric analysis	281327.1209	250 ml
	281327.1211	1000 ml
Phenol Red (Reag. USP) for analysis, ACS	131615.1604	5 g
	131615.1607	50 g
5-Sulfosalicylic Acid 2-hydrate (Reag. Ph. Eur.) for analysis	122838.1209	250 g
Starch from Potato soluble (Reag. USP, Ph. Eur.) for analysis	121096.1210	500 g
	121096.1211	1000 g
Starch solution 1% (Reag. Ph. Eur.) for volumetric analysis	283146.1208	100 ml
	283146.1209	250 ml
	283146.1211	1000 ml
Thymolphthalein for analysis (Reag. Ph. Eur.), ACS	131739.1604	5 g



Volumetric solutions according to pharmacopoeia

Product	Concentration	Titration against	Indicator	Ph. Eur.	USP	Code	Packaging
Ammonium Thiocyanate	0.1 M (0.1N)	Silver Nitrate 0.1 M	Ferric Ammonium Sulfate	X	X	181144.1211	1000 mL
Bromine (Bromate-Bromide)	0.05 M (0.1N)	Sodium Thiosulfate 0.1 M	Starch		X	182000.1211	1000 mL
Cerium(IV) Sulfate	0.1 M (0.1N)	Sodium Oxalate	-		X	181249.1611	1000 mL
						181249.1612	2.5 L
Iodine	0.025 M (0.05N)	Sodium Thiosulfate 0.1 M	Starch		X	182161.1611	1000 mL
	0.05 M (0.1N)	Sodium Thiosulfate 0.1 M	Starch	X	X	181772.1611	1000 mL
						181772.1612	2.5 L
0.5 M (1N)	Sodium Thiosulfate 0.1 M	Starch	X		182162.1611	1000 mL	
Oxalic Acid	0.05 M (0.1N)	Potassium Permanganate 0.1 N	-		X	181043.1211	1000 mL
Perchloric Acid	0.1 M (0.1N) in acetic acid	Potassium Hydrogen Phthalate	Crystal Violet	X	X	181046.1611	1000 mL
	0.1 M (0.1N) in 1.4-dioxan	Potassium Hydrogen Phthalate	Crystal Violet		X	181047.1611	1000 mL
Potassium Dichromate	1/60 M (0.1N)	Sodium Thiosulfate 0.1 M	Starch		X	181502.1611	1000 mL
Potassium Hydroxide	0.1 M (0.1N) in ethanol	Hydrochloric Acid 0.1 M	Phenolphthalein		X	182146.1611	1000 mL
	0.1 M (0.1N) in methanol	Hydrochloric Acid 0.1 M	Phenolphthalein		X	182147.1211	1000 mL
	0.5 M (0.5N) in ethanol	Hydrochloric Acid 0.5 M	Phenolphthalein		X	181519.1611	1000 mL
Potassium Permanganate	0.02 M (0.1N)	Sodium Oxalate	-		X	181529.1611	1000 mL
						181529.1612	2.5 L
Potassium Thiocyanate	0.1 M (0.1N)	Silver Nitrate 0.1 M	Ferric Ammonium Sulfate		X	181535.1211	1000 mL
Silver Nitrate	0.1 M (0.1N)	Sodium Chloride	Eosine		X	186983.1211	1000 mL
Sodium Hydroxide	0.1 M (0.1N)	Potassium Hydrogen Phthalate	Phenolphthalein	X		181694.1211	1000 mL
		Potassium Hydrogen Phthalate	Phenolphthalein	X	X	182415.1211	1000 mL
	1 M (1N)	Potassium Hydrogen Phthalate	Phenolphthalein	X	X	182415.1315	10 L
		Potassium Hydrogen Phthalate	Phenolphthalein	X	X	182415.1315	10 L
Sodium Thiosulfate	0.1 M (0.1N)	Potassium Bromate 0.033 M	Starch	X		186987.1211	1000 mL
	0.1 M (0.1N)	Potassium Dichromate	Starch		X	181723.1211	1000 mL
						181723.1212	2.5 L
						181723.1315	10 L

IP-053EN

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