



Volumetry

Ready-to-use and concentrated volumetric solutions



Volumetry

To meet the requirements of users, both in the field of production control and in the area of research it is important to:

- Identify and control according to increasing demands
- Work according to Good Laboratory Practice
- Follow the general requirements for accreditation and certification of laboratories



CARLO ERBA Reagents offers a complete range for large consumption of ready-to-use volumetric solutions, with guaranteed quality.

CARLO ERBA Reagents improved specifications guarantee reliability and precision for your routine analysis:

- Exact title of the batch printed on the label and on the certificate of analysis
- Reference and traceability to S.R.M. of N.I.S.T.
- Assay precision: +/- 0.1%
- ISO 45 bottle mouths, adaptable to automatic titrators for 1L PEHD bottles
- Available in 5L and 10L Kubidos®



Kubidos®

For large consumption of volumetric solutions ready-to-use, choose the Kubidos®. It consists of a cubic box containing a HDPE, a tap and cap ensuring easy flow of the required volume.

With the low volume of product in contact with air, the risks of carbonation of alkaline solutions and microbial contamination are limited.

Advantages of Kubidos®:

- Ease of use
- No contamination
- Referencing the S.R.M. of N.I.S.T.
- Exact title printed on the label
- Compact



Ready-to-use volumetric solutions, traceable to NIST

Product	Normality	Molarity	500 mL	1 L	5 L	5 L Kubidos	10 L Kubidos
Acid EDTA disodium salt	0,02 N *	0,01 M *		405442000			
	0,1 N *	0,05 M *		405501000			
	0,2 N *	0,1 M *		405511000		405513000	405512000
Hydrochloric acid	0,1 N	0,1 M		404197000		404192000	404191000
	0,5 N	0,5 M		404147000		404142000	404141000
	1 N	1 M		404097000		404092000	404091000
	2 N	2 M		404067000		404062000	404061000
Iodine	0,1 N *	0,05 M *	456036000	456037000			
	1 N *	0,5 M *	456135000	456137000			
Nitric acid	0,1 N	0,1 M	408206000				
	1 N	1 M	408176000				
Perchloric acid solution in acetic acid	0,1 N *	0,1 M *	409136	409131			
Potassium hydroxide	0,1 N	0,1 M		472457000		472452000	472451000
	0,25 N	0,25 M		472427000		472422000	472421000
	0,5 N	0,5 N		472337000		472332000	472331000
	1 N	1 M		472287000		472282000	472281000
Potassium hydroxide solution in ethanol	0,1 N *	0,1 M *		472042000			
	0,1 N *	0,1 M *		472041000 (glass)			
	0,5 N *	0,5 N *		472022000 (glass)			
	0,5 N *	0,5 N *		472021000			
Potassium hydroxide solution in methanol	0,1 N *	0,1 M *	472486000	472484000			
	0,5 N *	0,5 N *	472366000	472364000	472367000		
Potassium permanganate	0,1 N *	0,02 M *		473567000	473565000		
	1 N *	0,2 M *		473514000			
Sodium hydroxide	0,1 N	0,1 M		480897000		480891000	480892000
	0,25 N	0,25 M		480867000		480861000	480862000
	0,357 N	0,357 M		480837000			
	0,5 N	0,5 M		480777000		480771000	480772000
	1 N	1 M		480717000	480714000	480711000	480713000
	2 N	2 M	480686000	480687000	480682000		480681000
Sodium thiosulfate	0,1 N	0,1 M		484077000			484071000
Sulfuric acid	0,1 N	0,05 M		410717000		410712000	410711000
	0,5 N	0,25 M		410667000		410663000	410662000
	1 N	0,5 M		410577000	410575000	410572000	410571000
	2 N	1 M		410547000			
Silver nitrate	0,05 N	0,05 M		424101000			
	0,1 N	0,1 M		424067000		424062000	424061000
	0,5 N	0,5 M		424051000			
	1 N	1 M	424036000	424035000			

(* : precision 0.2%)



Concentrated volumetric solutions

CARLO ERBA Reagents proposes a concentrated solutions known as NORMEX. This brand comes in concentrated diluting ampoules, the preparation is effective into 1 liter of distilled water, rapidly transforming the vials contents into volumetric solution.

- 1 vial = 1 L of solution,
- To dilute with distilled water,
- Titration factor +/- 0,005 ,
- Economic and less bulky,
- Glass or plastic vial according to the molecule,
- Instructions for use on the box.



Product	Molarity	Normality	Code
Acetic acid	0,01 M	0,01 N	401571
	0,1 M	0,1 N	401561
Acid EDTA disodium salt	0,01 M	0,02 N	405431
	0,1 M	0,2 N	405421
Ammonium sulfocyanide	0,01 M	0,01 N	421061
	0,1 M	0,1 N	421001
Hydrochloric acid	0,01 M	0,01 N	404251
	0,1 M	0,1 N	404211
	0,5 M	0,5 N	404161
	1 M	1 N	404111
Iodine	0,005 M	0,01 N	456121
	0,05 M	0,1 N	456051
Mercury perchlorate	0,01 M	0,01 N	461341
Nitric acid	0,1 M	0,1 N	408231
Potassium dichromate	0,0167 M	0,1 N	470501
Potassium bromate	0,01 M	0,01 N	470681
Potassium hydroxide	0,1 M	0,1 N	472511
	0,5 N	0,5 N	472391
	1 M	1 N	472311
Potassium iodate	0,00167 M	0,01 N	472631
	0,0167 M	0,1 N	472601
Potassium permanganate	0,0002 M	0,01 N	473661
	0,02 M	0,1 N	473591
Silver nitrate	0,01 M	0,01 N	424161
	0,1 M	0,1 N	424081
Sodium arsenite	0,05 M	0,1 N	402381
Sodium carbonate	0,05 M	0,1 N	479211
Sodium chloride	0,1 M	0,1 N	479781
Sodium hydroxide	0,01 M	0,01 N	481001
	0,1 M	0,1 N	480921
	0,5 M	0,5 N	480801
	1 M	1 N	480741
Sodium thiosulfate	0,01 M	0,01 N	484161
	0,1 M	0,1 N	484121
Sulfuric acid	0,005 M	0,01 N	408901
	0,05 M	0,1 N	410731
	0,25 M	0,5 N	410681
	0,5 M	1 N	410591



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