

ANALYSIS CERTIFICATE

CODE: 181691

BATCH: 0002872965

PRODUCT:

Sodium Hydroxide 1 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution

ISSUE DATE: 20/11/2025

RETEST DATE: 11/2031

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Titer at 20°C	0,999 - 1,001	1,000
Titer (USP, Ph.Eur.; Potassium hydrogen phthalate, Phenolphthalein) at 20°C		1,000
Uncertainty	± 0,0015	
Determination method	E	

Balance

Calibrated periodically against traceable weights.

Volumetric glassware

Class A according NBS, document NBSIR-74661-Dec 1974

Determination of concentration

Assay by Hydrochloric Acid titration checked itself with Tris-Hydroxymethyl) Aminomethane standard. traceable with primary standard NIST, SRM: 723e

Indicator: Bromophenol Blue

DETERMINATION METHODS	SUBSTANCE	SRM/NIST
A Argentimetric titration	Potassium Chloride	999b
B Permanganometric titration	Sodium Oxalate	8040
I Redox titration	Potassium Dichromate	136f
C Complexometric titration	Zinc	682
D Iodometric titration	Arsenic III Oxide	3103a
E Acidimetry	Tris (Hydroxymethyl) Aminomethane	723e
H Alkalimetry	Potassium Hydrogen Phthalate	84l
F Precipitation titrimetry	Potassium Chloride	999b
G Non aqueous acid titration	Potassium Hydrogen Phthalate	84l
J Non aqueous alkali titration	Benzoic Acid	350b
K Acidimetry	Sodium Carbonate	351a

Notes

- ☐ All chemicals used for preparing this solution are for analysis, ACS quality.
- ☐ The stability of prepared solution must be checked periodically by the user.
- ☐ Don't use the solution if it is contaminated accidentally.

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