

ANALYSIS CERTIFICATE

CODE: 181519

BATCH: 0002259897

PRODUCT:

**Potassium Hydroxide 0.5 mol/l (0.5N) in ethanol (Reag. USP)
volumetric solution**

ISSUE DATE: 02/03/2023

RETEST DATE: 10/2024

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Titer at 20°C	0,999 - 1,001	1,0006
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

Volumetric solution standardised according to the chapter reagents of USP and Ph.Eur 4.2.2

Assay by Hydrochloric Acid 1 mol/l titration checked itself with Tris-(Hydroxymethyl) Aminomethane standard, traceable with primary standard NIST, SRM: 723e

Indicator: Phenolphthalein

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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