

ANALYSIS CERTIFICATE

CODE: 181023

BATCH: 0000565545

PRODUCT: Hydrochloric Acid 0.1 mol/l (0.1N) volumetric solution

ISSUE DATE: 24/03/2015

RETEST DATE: 03/2021

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Titer at 20°C		1,001
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

Standardization with Tris-(Hydroxymethyl) Aminomethane, traceable itself with primary standard NIST, SRM: 723e.

Indicator: Methyl Red

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	841
F Precipitation titrimetry	Potassium Chloride	999b
G Non aqueous acid titration	Potassium Hydrogen Phthalate	841
J Non aqueous alkali titration	Benzoic Acid	350b
K Acidimetry	Sodium Carbonate	351a

Notes

- ☐ All chemicals used preparing this solution are PA-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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