

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Sodium Hydroxide Solution 10 % AR

Catalog Number : I-9090

Batch Number : 9090-00000000

CAS Number : 1310-73-2

Molecular Weight : 40.0 g/mol

Mol. Formula : NaOH

Expire Date : 36 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	A clear colorless liquid	A clear colorless liquid
2	Assay (acidimetric)	9.5 - 10.5 %	10.15%
3	Identity	passes test	passes test
4	Density at 20 °C	about 1.11 g/cm ³	1.112 g/cm ³
5	Sodium carbonate (as Na ₂ CO ₃)	max 1.0 %	0.161%
6	Chloride (Cl)	max 20 ppm	5 ppm
7	Sulphate (SO ₄)	max 30 ppm	4 ppm
8	Phosphate (PO ₄)	max 20 ppm	2.5 ppm
9	Silicate (SiO ₂)	max 10 ppm	5 ppm
10	Heavy metals (as Pb)	max 5 ppm	2.5 ppm
11	Iron (Fe)	max 5 ppm	1 ppm
12	Aluminium (Al)	max 5 ppm	2 ppm

Corresponds to AR/ACS Grade

LABOTIQ In-house product specification, referenced to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC