

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Potassium Hydroxide Solution 40 % AR

Catalog Number : I-9069

Batch Number : 9069-00000000

CAS Number : 1310-58-3

Molecular Weight : 56.11 g/mol

Mol. Formula : KOH

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	A clear colourless to slightly hazy liquid	A clear colourless liquid
2	Assay (acidimetric, KOH)	39 - 41 %	40.48%
3	Carbonate (as K ₂ CO ₃)	max 1.0 %	0.254%
4	Chloride (Cl)	max 0.002 %	0.0015%
5	Sulphate (SO ₄)	max 0.0005 %	0.00023%
6	Phosphate (PO ₄)	max 0.0005 %	0.000021%
7	Total nitrogen (N)	max 0.0005 %	0.00014%
8	Heavy metals (as Pb)	max 0.0005 %	0.00014%
9	Iron (Fe)	max 0.001 %	0.00028%
10	Nickel (Ni)	max 0.0005 %	0.00023%
11	Silicate (SiO ₂)	max 0.005 %	0.0016%
12	Calcium (Ca)	max 0.001 %	0.00047%
13	Arsenic (As)	max 0.0001 %	< 0.0001 %
14	Magnesium (Mg)	max 0.005 %	0.0009%
15	Copper (Cu)	max 0.001 %	0.0002%
16	Sodium (Na)	max 0.5 %	0.0058%

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC