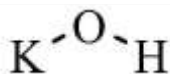


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

POTASSIUM HYDROXIDE SOLUTION 40% AR

Potassium hydrate, Caustic potash



Product Code	I-9069	Grade	Analytical Reagent
Purity	40%	CAS No	1310-58-3
Molecular Formula	KOH	Molecular Weight	56.11 g/mol
H.S.Code	2815.2000	Shelf Life	60 Months

Physical Properties

Physical state	Liquid	Solubility in water	soluble
Odour	Odourless	Density	1,456 g/cm ³ at 25 °C

Packaging

1000 ml

Specification

Appearance	A clear colourless to slightly hazy liquid
Assay (acidimetric, KOH)	39 - 41 %
Carbonate (as K ₂ CO ₃)	max 1.0 %
Chloride (Cl)	max 0.002 %
Sulphate (SO ₄)	max 0.0005 %
Phosphate (PO ₄)	max 0.0005 %
Total nitrogen (N)	max 0.0005 %
Heavy metals (as Pb)	max 0.0005 %
Iron (Fe)	max 0.001 %
Nickel (Ni)	max 0.0005 %
Silicate (SiO ₂)	max 0.005 %
Calcium (Ca)	max 0.001 %
Arsenic (As)	max 0.0001 %
Magnesium (Mg)	max 0.005 %
Copper (Cu)	max 0.001 %
Sodium (Na)	max 0.5 %

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: danger

UN No.: 1814

IMCO Class No.: 8

Packing Group: II

Hazardous Statement: H290-H301-H314

Precaution Statement: P234-P270-P280-P301+P312-P303+P361+P353-P305+P351+P338