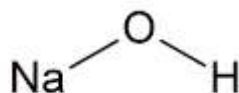


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

SODIUM HYDROXIDE SOLUTION 50% AR

Caustic Soda



Product Code	I-9058	Grade	Analytical grade
Purity	50 %	CAS No	1310-73-2
Molecular Formula	NaOH	Molecular Weight	40.00 g/mol
H.S.Code	2815.1190	Shelf Life	60 Months

Physical Properties

Physical state	Liquid	Colour	colourless
Melting point	-12 - 10 °C	Density	1,515 g/mL at 25 °C
Relative density	2,13 g/cm ³ at 20 °C	Boiling point	105 - 140 °C
pH value	> 14 at 100 g/l at 20 °C	Vapour Pressure	< 24 hPa at 20 °C

Packaging

100 ml

Specification

Appearance	A clear colorless liquid
Assay (acidimetric)	49.0 - 51.0 %
Identity	passes test
Density at 20 °C	about 1.53 g/cm ³
Sodium carbonate (as Na ₂ CO ₃)	max 0.2 %
Chloride (Cl)	max 0.0025 %
Sulphate (SO ₄)	max 0.003 %
Phosphate (PO ₄)	max 0.0005 %
Silicate (SiO ₂)	max 0.005 %
Total Nitrogen (N)	max 0.0005 %
Heavy metals (as Pb)	max 0.0005 %
Iron (Fe)	max 0.0005 %
Aluminium (Al)	max 0.0005 %
Potassium (K)	max 0.025 %

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: danger

UN No.: 1824

IMCO Class No.: 8

Packing Group: II

Hazardous Statement: H290-H314

Precaution Statement: P234-P280-P303+P361+P353-P304+P340+P310-P305+P351+P338-P363