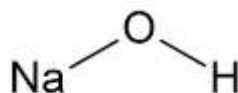


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

SODIUM HYDROXIDE PELLETS 98% AR (IP,BP,USP-NF,Ph.Eur)

Caustic Soda



Product Code	O-5302	Grade	Pharma Grade
Purity	98%	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	Pellets	Colour	White
Melting point	318 °C	Solubility in water	1.090 g/l at 20 °C
Relative density	2,13 g/cm ³ at 20 °C	Boiling point	1.390 °C at 1.013 hPa
pH value	> 14 at 100 g/l at 20 °C	Vapour Pressure	< 24 hPa at 20 °C
Vapour density	1,38 - (Air = 1.0)		

Packaging

500 gram

Specification

Appearance	White deliquescent pellets or pearls
Assay (acidimetric, as NaOH)	98 - 100.5 %
Assay (Na)	54.0 - 59.8
Solubility	10% solution in water is clear
Identification (A) give reaction of Sodium salt	passes test
Identification (B)(0.01% w/v solution)	pH-Not less than 11.0
Appearance of solution	passes test
Insoluble substance and organic amatter	passes test
Insoluble matter in water	max 0.01 %
Sodium carbonate (Na ₂ CO ₃)	max 1.0 %
Chloride (Cl)	max 0.005 %
Sulphate (SO ₄)	max 0.005 %
Phosphate (PO ₄)	max 0.001 %

Silicate (SiO ₂)	max 0.01 %
Total nitrogen (N)	max 0.0005 %
Heavy metals (as Pb)	max 0.001 %
Iron (Fe)	max 0.001 %
Nickel (Ni)	max 0.001 %
Calcium (Ca)	max 0.002 %
Potassium (K)	max 0.1 %
Magnesium (Mg)	max 0.001 %
Aluminium (Al)	max 0.001 %
Arsenic (As)	max 0.0003 %
Copper (Cu)	max 0.0005 %
Lead (Pb)	max 0.0001 %
Mercury (Hg)	max 0.00001 %
Zinc (Zn)	max 0.0025

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: danger

UN No.: 1823

IMCO Class No.: 8

Packing Group: II

Hazardous Statement: H290-H314

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