



INDENTATM
Chemicals (India) Pvt. Ltd.
(ISO 9001:2008 Certified Company)



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Specifications

Product	:	Sodium Hydroxide Pellets (BP grade)
Molecular Formula	:	NaOH
Molecular Weight	:	39.997 g/mol
CAS no.	:	1310-73-2
Product code	:	1009

Tests	Specifications
Description	White pellets, dry, hard, brittle & showing a crystalline fracture. Very deliquescent, strongly alkaline & corrosive.
Solubility	Almost completely soluble in 1 part of water, very soluble in ethanol
Identification A	Dissolve 0.1 g in 10 ml of water R. Dilute 1 ml of the solution to 100 ml with water R. The pH (2.2.3) of the final solution is not less than 11.0
Identification B	2 ml of solution S (See Tests) Gives reaction (a) of sodium (2.3.1)
Clarity and color of solution	Dissolve 1.0 g in 10 ml of water R. The solution is clear (2.2.1) and colourless (2.2.2 Method II)
Heavy Metals (as Pb)	Max 20 ppm
Iron (Fe)	Max. 10 ppm
Carbonate (as Na₂CO₃)	Max 2.0%
Chloride (Cl)	Max. 50 ppm
Nitrogen Compounds (N)	Max. 0.0005%
Phosphate (PO₄)	Max. 0.02%
Silicate (SiO₂)	Max. 0.01%
Aluminium (Al)	Max.0.002%
Arsenic (As)	Max. 0.00005%
Calcium (Ca)	Max. 0.005%
Nickel (Ni)	Max. 0.001%
Potassium (K)	Max.0.05%
Copper (Cu)	Max. 0.0005%
Sulfate (SO₄)	Max. 50 ppm
Assay (total alkali as KOH)	97.0 – 100.5%