



TECHNICAL DATA SHEET

SODIUM HYDROXIDE PELLETS AR

Caustic soda

Article No.	319250500	Molecular Formula	NaOH
H.S. Code	2815.1100	Molecular Weight	40.00
CAS No.	1310-73-2		

Physical Properties

Physical state at 20 °C	Solid
Colour	White pellets
Odour	Odorless
pH value	Alkaline
Melting point [°C]	318 °C
Boiling point [°C]	1390°C
Vapour pressure [20°C]	14 mm of Hg (@ 20°C)
Vapour pressure mm/Hg	14 mm of Hg (@ 20°C)
Vapour density	>1
Density [g/cm ³]	2.13
Solubility in water [% weight]	Soluble in water

Specifications

Assay (acidimetric) 98 - 100.5%
Insoluble matter in water Max 0.025%
Sodium Carbonate (Na₂CO₃) Max 1.0%
Chloride (Cl) Max 0.005%
Sulfate (SO₄) Max 0.003%
Phosphate (PO₄) Max 0.001%
Silicate (SiO₂) Max 0.001%
Total nitrogen (N) Max 0.0003%
Heavy metals (as Pb) Max 0.002%
Iron (Fe) Max 0.001%
Calcium (Ca) Max 0.005%
Potassium (K) Max 0.05%
Magnesium (Mg) Max 0.002%
Mercury (Hg) Max 0.00001%

Safety Information and Hazard Symbols

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Symbol	GHS05
Signal Word	Danger
UN No	1823
IMCO Class No.	8
Hazardous Statement	H314-H290
Precaution Statement	P234-P260-P264-P280-P301+P330+P331-P304+P340-P305+P351+P338-P310
Packing Group	II