



Product Specification

Product Name: SODIUM HYDROXIDE Pellets AR

Alternate Name(s) Caustic Soda; sodium hydrate.

Description

White deliquescent pellets.

Properties

Chemical Formula:

Molecular Weight: 40.01

Product Code: SA178

CAS No.: 1310-73-2

General Information:

Absorbs water and carbon dioxide from the air. In the presence of moisture corrosive to aluminium, zinc and tin. Reacts vigorously with acids. Reacts with ammonium salts evolving ammonia gas.

Hazard and Safety Data

UN Group: II
Class: 8
UN Number: 1823
Hazchem code: 2X
CS MSDS Code: 1CH6F
Poison schedule: S6
Emergency Procedure Guide No.: 37

Quality Specification

Typical Assay: 98.0% min.

Specific Properties and Impurities [Typical levels]:

Melting point	318°C
Specific Gravity	2.13
Solubility in water (@ 20°C)	1090 g/L
Sodium carbonate	1.0%
Sulfate (SO ₄)	0.001%
Chloride (Cl)	0.001%
Nitrogen compounds (as N)	0.0005%
Phosphate (PO ₄)	0.0004%
Heavy metals (as Ag)	0.002%
Silicon dioxide (SiO ₂)	0.0005%
Aluminium (Al)	0.001%
Calcium (Ca)	0.001%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%
Lead (Pb)	0.00004%
Magnesium (Mg)	0.002%
Mercury (Hg)	0.00001%
Nickel (Ni)	0.0003%
Potassium (K)	0.02%
Silver (Ag)	0.00005%

CONFORMS TO ACS

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