

### Sodium Hydroxide, Pellets AR Grade

**Synonym:** Caustic Soda, Lye

#### Typical Parameters:

Molecular Formula	NaOH
Molecular Weight	40.0
CAS Number	1310-73-2
Density	1.09 gm/cm <sup>3</sup>
Melting Range	323°C
Solubility in water	111 g/100 ml at 20°C



#### Quality Specifications:

Physical State and Appearance	White Hygroscopic Powder
Assay:	98.0%
Trace Impurities	Limits (Max)
Total Nitrogen	3 ppm
Carbonate (CO <sub>3</sub> )	1.00%
Chloride (Cl)	50.0 ppm
Nitrate (NO <sub>3</sub> )	10 ppm
Phosphate (PO <sub>4</sub> )	10 ppm
Silicate (SiO <sub>2</sub> )	100 ppm
Sulfate (SO <sub>4</sub> )	30 ppm
Water Insoluble Matter	100 ppm
Aluminum (Al)	10 ppm
Arsenic (As)	0.4 ppm
Calcium (Ca)	20 ppm
Copper (Cu)	10 ppm
Iron (Fe)	5 ppm
Lead (Pb)	5 ppm
Magnesium (Mg)	10 ppm
Nickel (Ni)	5 ppm
Potassium (K)	200 ppm



**Availability:** 25 Kg in fiber drums

**Freight Classification:** Not regulated

**Storage** Keep in a tightly closed container. Store in a cool, dry, ventilated area.

<sup>(1)</sup>**Disposal:** Dispose of in accordance with local, state, & federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-Nugen or email: [nicg@nugentec.com](mailto:nicg@nugentec.com).