

### Potassium Hydroxide, Pellets AR Grade

**Synonym:** Caustic Potash, Potassium Hydrate

#### Typical Parameters:

Molecular Formula	KOH
Molecular Weight	56.1
CAS Number	1310-58-3
Density	2.044 gm/cm <sup>3</sup>
Melting Range	420 °C
Solubility in water	110 g/100 ml at 25 °C

#### Quality Specifications:

Physical State & Appearance	White Hygroscopic Powder
Assay:	98.00%
Trace Impurities	Limits (Max)
<i>Carbonate (K<sub>2</sub>CO<sub>3</sub>)</i>	2.0%
<i>Chloride (Cl)</i>	20 ppm
<i>Nitrate (NO<sub>3</sub>)</i>	10 ppm
<i>Phosphate (PO<sub>4</sub>)</i>	10 ppm
<i>Silicate (SiO<sub>2</sub>)</i>	50 ppm
<i>Sulfate (SO<sub>4</sub>)</i>	30 ppm
<i>Water Insoluble Matter</i>	100 ppm
<i>Aluminum (Al)</i>	10 ppm
<i>Ammonium (NH<sub>4</sub>)</i>	10 ppm
<i>Arsenic (As)</i>	0.0 ppm
<i>Calcium (Ca)</i>	30 ppm
<i>Copper (Cu)</i>	10 ppm
<i>Iron (Fe)</i>	10 ppm
<i>Lead (Pb)</i>	10 ppm
<i>Nickel (Ni)</i>	10 ppm
<i>Sodium (Na)</i>	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 e-mail: [info@nugentec.com](mailto:info@nugentec.com).