

# Product Specifications

## 25% Caustic Soda Membrane Grade

### Produced at Calvert City, KY and Geismar, LA

Product: 25% Sodium Hydroxide [Membrane Grade Caustic Soda]  
Specification No: B738-5105B22.02-00  
Basis: 50% Solution

Property	Limit(s)	Test Method	Frequency
Sodium hydroxide (NaOH)	24.00 – 26.00% by wt.	Titrimetry	Each Lot
Sodium oxide (Na <sub>2</sub> O)	15.00 – 20.20% by wt.	Calculated	Each Lot
Sodium carbonate (Na <sub>2</sub> CO <sub>3</sub> )	500.0 ppm	Titrimetry	Monthly
Sodium chloride (NaCl)	100.0 ppm	Titrimetry	Monthly
Sodium Sulfate (Na <sub>2</sub> SO <sub>4</sub> )	50.0 ppm	Ion Chromatography	Monthly
Iron (Fe)	3.0 ppm	Colorimetry	Monthly
Sodium Chlorate (NaClO <sub>3</sub> )	10 ppm	Ion Chromatography	Monthly
Appearance	A water white, clear to slightly turbid liquid		
Odor	Odorless		

Note: ppm = parts per million (1 ppm = 0.0001%)