

**PRODUCT SPECIFICATION**

**Caustic Soda Micropearls**  
Anhydrous, Technical Grade

- Caustic Soda Micropearls are used in a broad range of applications, wherever a high quality form of Sodium Hydroxide is of particular benefit.

PROPERTY	SPECIFICATIONS	TYPICAL RESULTS
Appearance	White, uniform beads	Pass
Identification, Pass test for Na	Pass test	Pass
Purity, NaOH	98.5 % min.	99.08 %
Sodium Oxide, Na <sub>2</sub> O	76.5 – 100 %	77.07 %
Sodium Chloride, NaCl	0.08 % max.	0.0147 %
Sodium Carbonate, Na <sub>2</sub> CO <sub>3</sub>	0.75% max.	0.38 %
Iron, Fe	8-ppm max.	3 ppm
Arsenic, As	3-ppm max.	< 0.05 ppm
Heavy Metals, as Pb	10-ppm max.	< 1 ppm
Lead, Pb	10-ppm max.	< 1 ppm
Mercury, Hg	0.1-ppm max.	< 0.01 ppm
Nickel, Ni	7-ppm max.	< 3 ppm

Additional Representative Inspections	(Not tested on each lot)	
Specific Gravity, 20°C	2.13	
Sodium Sulfate, Na <sub>2</sub> SO <sub>4</sub>	25-ppm max.	15 ppm
Copper, Cu	2-ppm max.	< 1 ppm
SiO <sub>2</sub>	10-ppm max.	5 ppm
Bulk Density, kg/dm <sup>3</sup>	1.1 – 1.2	
Melting Point, °C	318.4	
Water Solubility	Very Soluble	
Particle size, spherical beads	0.6 – 0.8 mm in diameter (20 – 30 mesh)	

**CAS:** 1310-73-2    **UN No.** 1823 (DOT); 1824 (DOT)    **Formula:** NaOH    **MW:** 40.00

**HAZARD:** Corrosive to tissue in presence of moisture, strong irritant to tissue (eyes, skin, mucous membranes), by ingestion.

\* Data based on manufacturer's document

*John*

Quality Control

