

Soda Ash Dense

SEM NAN SODA ASH CO. (SSACO) • TECHNICAL DATA SHEET

Industrial Grade



SSACO Jumbo Bag
Packaging

Jumbo Bag Bulk Packaging

Product Identification

BRAND / ORIGIN

SSACO (Semnan Soda Ash Co.)

CHEMICAL NAME

Sodium Carbonate

CHEMICAL FORMULA

Na_2CO_3

CAS REGISTRY NO.

497-19-8

BULK DENSITY

0.90 – 1.15 g/cm³

EINECS NO.

207-838-8

≥ 99.2%

Purity (Na_2CO_3 Assay)

≥ 58.0%

Total Alkalinity (Na_2O)

1000 KGS

Standard Jumbo Bag

TECHNICAL PARAMETERS & CHEMICAL ANALYSIS

PARAMETER / TEST ITEM	STANDARD SPECIFICATION	TEST RESULTS
Sodium Carbonate (Na_2CO_3)	Min 99.0%	99.2% - 99.5%
Total Alkalinity (as Na_2O)	Min 57.9%	58.0% - 58.2%
Sodium Chloride (NaCl)	Max 0.30%	0.15% - 0.25%
Iron Content (Fe_2O_3)	Max 30 ppm	10 - 15 ppm
Water Insolubles	Max 0.05%	0.01% - 0.03%
Loss on Heating / Moisture	Max 0.20%	0.10% - 0.15%
Sulfate (Na_2SO_4)	Max 0.10%	0.04% - 0.07%

Key Product Features

- High Bulk Density:** Coarse granular consistency minimizing airborne dust during batch handling.
- High Chemical Purity:** Low iron and chloride contents ensure superior clarity in manufacturing.
- Excellent Flowability:** Smooth feeding characteristics ideal for automated silo systems.
- Consistent Quality:** Precision-manufactured under strict international quality standards.

Primary Industry Applications

- Glass Manufacturing:** Essential fluxing agent for container glass, float glass, and fiberglass.
- Detergents & Soaps:** Acts as a builder and alkalinity buffer in heavy-duty cleaning products.
- Chemical Synthesis:** Key raw material for producing sodium silicates, bicarbonates, and dichromates.
- Water Treatment:** Used for pH neutralization and water softening in municipal and industrial facilities.

Packaging & Storage Guidelines:

