

## TECHNICAL DATA SHEET | TDS

Product Name	Dense Soda Ash	HTS Code	283620000000
Chemical Name	Sodium Carbonate Anhydrous (Na <sub>2</sub> CO <sub>3</sub> )	CAS-No.	497-19-8

### I. PRODUCT DESCRIPTION

Dense Soda Ash, Sodium Carbonate, also known as disodium carbonate, is a white chemical substance, and its aqueous solution is clear and colourless. The essential primary industrial chemical and thus finds use in all kinds of glass manufacturing.

### II. CHEMICAL PROPERTIES

ATTRIBUTE	UOM	LIMITS	TESTING METHOD
Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> )	%	99.3 Min.	ASTM E359-17
Equivalent Sodium Oxide (Na <sub>2</sub> O)	%	58.1 Min.	ASTM E359-17
Sodium Sulfate (Na <sub>2</sub> SO <sub>4</sub> )	%	0.03 Max.	ASTM E359-17
Iron as (Fe <sub>2</sub> O <sub>3</sub> )	ppm	20 Max.	ASTM E359-17
Loss in Heating	%	0.20 Max.	ASTM E359-17
Sodium Chloride (NaCl)	%	0.2 Max.	ASTM E359-17
Water Insoluble	%	0.05 Max.	IS 251:1998-2010

### III. PHYSICAL PROPERTIES

ATTRIBUTE	UOM	LIMITS	TESTING METHOD
Appearance	Pass / Fail	White Free Flowing Powder	
Color Index	CIE LAB	95 Min.	ASTM E313-20
Bulk Density	Kg/m <sup>3</sup>	950 – 1,150	ASTM D1895-17 B
Particle Size			
+1.600 mm	Wt.%	2.0 Max	ASTM E359-17
+0.850 mm	Wt.%	23 – 25	ASTM E359-17
+0.150 mm & -0.850 mm	Wt.%	75 Min.	ASTM E359-17
-0.150 mm	Wt.%	2.0 Max.	ASTM E359-17

### IV. PACKAGING

- 1000 kg inner lining polypropylene (PP) Big Bag
- Bulk

25, Suwaidi Tower ■ 8833 King Saud Road ■ Al Rakah Al Shamaliyah Dist. ■ Dammam 34225-2050 ■ Kingdom of Saudi Arabia ■ [www.inochem.sa](http://www.inochem.sa)

DISCLAIMER: Specifications defined above are valid for the products kept in suitable conditions and not further processed. Check the Material Safety Data Sheet for detailed information, handling, and safety details. All information, statements, and data are believed to be accurate and reliable. However, no representative or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose, or any other matter, including, without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. InoChem is not engaged in providing technical, operational engineering, or safety information for a fee; therefore, any such provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill, and experience in the chemical industry. InoChem shall not be responsible or liable for the use, application, or implementation of the Information provided herein, and all such information is to be used at risk, and in the sole judgment and discretion, of such persons, their employees, visitors, and agents.