

Al Habtoor Resources

Global Supplier of Natural Minerals & Mineral Solutions

TECHNICAL DATA SHEET (TDS)

Product Name	Light Soda Ash	HS Code	283620000000
Chemical Name	Sodium Carbonate Anhydrous (Na ₂ CO ₃)	CAS-No.	497-19-8

Product Description:

Light Soda Ash is a white powder with a perceptible, odorless ammonia odor. It can slowly absorb atmospheric moisture and carbon dioxide, forming sodium sesquicarbonate and various hydrates. It is used as one of the primary raw materials in glass, detergent, textile, chemical, and paper industries, and the production of other ammonia-odorless sodium compounds.

Chemical Properties:

ATTRIBUTE	UOM	LIMITS	TESTING METHOD
Sodium Carbonate (Na ₂ CO ₃)	Wt. %	99.3 Min.	ASTM E359-17
Equivalent Sodium Oxide (Na ₂ O)	Wt. %	58.06 Min.	ASTM E359-17
Sodium Chloride (NaCl)	Wt. %	0.2 Max.	IC-EPA_300.1
Sodium Sulfate (Na ₂ SO ₄)	Wt. %	0.03 Max.	IC-EPA_300.1
Iron as (Fe)	ppm	20 Max.	ASTM E359-17
Loss on Heating	Wt. %	0.30 Max.	ASTM E359-17
Water Insoluble	Wt. %	0.05 Max.	IS 251:1998-2010

Physical Properties:

ATTRIBUTE	UOM	LIMITS	TESTING METHOD
Appearance	White Free Flowing Powder No Contaminant		VISUAL
Color Index	L (HUNTER COLOR)	95 Min.	ASTM E313-20
Bulk Density	Kg/m ³	480 – 670	ASTM D1895-17 B
1.180 mm (Weight Above)	Wt. %	0.3 – 1.0	ASTM E359-17
0.500 mm (Weight Above)	Wt. %	2.0 – 5.0	ASTM E359-17
0.150 mm (Weight Above)	Wt. %	15 – 30	ASTM E359-17
0.075 mm (Weight Above)	Wt. %	40 – 55	ASTM E359-17
Pan (- 0.075 mm) (Weight Below)	Wt. %	15 – 30	ASTM E359-17

Packing: 1000 kg inner lining polypropylene (PP) Big Bag or Bulk.

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