TATA CHEMICALS LIMITED



DENSE SODA ASH

Chemical Formula : Na₂CO₃

Structural Formula : Na-O-C-O-Na

Common Names : Sodium Carbonate, Calcined Soda,
Disodium Carbonate

CAS Registry Number : 497-19-8

Light Soda Ash synthetically produced by ammonia-soda process (Solvay process) is subsequently mechanically compacted at high pressure to form briquettes, which then disintegrated, sieved and classified to produce specified uniform particle sized Dense Soda Ash. Dense Soda Ash is also produced through Monohydrate process at TCL.

Applications

Dense Soda Ash is one of the most important basic industrial chemical and thus finds use in all kinds of glass manufacture like sheet glass, float glass, configured glass, container glass (bottles and tableware) etc.. Dense Soda Ash is also a maior component in production of light hulbs, tubes, glass fibre

Specifications*

Gerving Society through Science

| Bulk Density Volatile matter content Volatile matter content (at the time of packing) Total Alkalinity (as Na,CO,) Sulphates (as Na,SO,) Sulphates (as NaCl) Max Sieve Analysis: Microns | Charact Molecular Weight | Characteristics Weight | Units | IS 251: 1998 Specifications |
|---|-----------------------------|---|-------------|--------------------------------|
| natter content me of packing) alinity (as Na,CO,) s (as Na,SO,) s (as NaCl) By Colorimetric method method method nsoluble in water solubles: Microns | Bulk Den: | sity | Kg/m² | |
| alinity (as Na,CO,) s (as Na,SO,) s (as NaCl) By Colorimetric method method method soluble in water soluble in water soluble is water | Volatile m | natter content ne of packing) | %, max | |
| s (as NacSO,) s (as NaCI) By Colorimetric method By Spectrophotometric method soluble in water solubles: Microns | Total Alka | Ilinity (as Na,CO,) | %, min | |
| s (as NaCi) By Colorimetric method By Spectrophotometric method isoluble in water allysis: Microns | Sulphates | s (as Na _c SO _t) | | |
| By Colorimetric method By Spectrophotometric method soluble in water allysis: Microns | Chlorides | (as NaCI) | | |
| By Spectrophotometric %, max method %, max isoluble in water %, max Microns esh | Iron | By Colorimetric method | M. Harrison | |
| e in water | (as Fe ,0 ₃) | By Spectrophotometric method | %, max | |
| | Matter in | soluble in water | %, шах | |
| | Sieve An | | | |
| | - 200 | 0 - 75 | 70, IIIdA | |

Fraceability

Tata Chemicals Ltd. offers full product traceability with batch and lot no. labelling.

Packaging