QINGHAI PRIME INTERNATIONAL

Qarhan Salt Lake holds abundant mineral resources, with substantial reserves of potassium, sodium, magnesium, lithium, boron and other minerals. It has been the largest production base of potassium fertilizer, as well as a major production base for metallic magnesium and lithium salts. At the same time, the Qarhan Salt Lake is located on the Tibetan Plateau and is rich in hydropower, photovoltaic and wind energy, which supply a cleaner energy for the facilities.

We have unique salt lake resources and cleaner energy. We are dedicated to supply customers with high quality products and very competitive price in the market. We have a professional team to provide customers with professional services, if you have any inquiries, please feel free to reach out us, working with you is our greatest joy every day!

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Soda Ash

Produced From Qinghai Salt Lake

Soda ash is used in the glass, chemical aluminum industries, iron and non-ferrous metallurgy, soap, fats and oils industry, food, textile, paper, oil and other industries, chemical treatment of water, production of plastic and synthetic resins, processing gold bearing and uranium ores, production of detergents and domestic use.

The soda ash project primarily utilizes waste salt from potash fertilizer production, calcium carbide residue from PVC manufacturing, calcium carbide lime kiln ash, carbon dioxide gas discharged from methanol production, and ammonia recovered from coking as its main raw materials. Through eleven production stages—salt dissolution, purification, ammonia absorption, compression, carbonation, filtration, light ash separation, heavy ash separation, ash dissolution, ammonia stripping, and packaging—the final soda ash product is obtained.

Technical properties

Indicator description	Grade A (Dense)	Grade B (Light)
Appearance	White grains	White powder
Mass fraction of sodium bicarbonate (Na2CO3), %, min.	99.4	99.4
Mass fraction of loss during ignition (at 270–300 °C), %, max.	98.7	98.9
Mass fraction of chlorides calculated as NaCl, %, max.	0.7	0.5
Mass fraction of iron calculated as Fe 2O3, %, max.	0.2	0.4
Mass fraction of water insoluble sub-stances, %, max.	0.003	0.003
Mass fraction of sulfates calculated as Na 2SO4, %, max.	0.04	0.03
Bulk density, g/cm3, max.	1.1	Not rated
Granulometric composition:		
Residue on the sieve with mesh No. 2K according to GOST 6613-86, %, max.	Not rated	Not rated
Passing a sieve with mesh No. 1.25K according to GOST 6613-86, %, max.	100	Not rated
Residue on the sieve with mesh No. 1K according to GOST 6613-86, %, max.	3	Not rated
Passing a sieve No. 01K according to GOST 6613-86, %, max.	7	Not rated
Magnetic inclusions with a size more than 0.25 m	Not available	Not rated