

Deposit of Bauxite and Aluminum





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Currently, bauxite is the most important aluminum ore serving, with a few exceptions, as a base of almost the entire world aluminum industry.

BAUXITE is an aluminum ore consisting of aluminum oxide hydrates, iron and silicon oxides, raw materials for manufacturing aluminacontaining refractory materials and aluminum oxide. The content of aluminum oxide in industrial bauxites ranges from 40 % to 60 % and more. In addition to the main components, the ore contains about 15 names of rare impurities, such as anadium, chromium, tin, beryllium, scandium, zinc, copper, barium, and lead.

Keypoints

Plasticity

Heat resistance

Low density

Thermal conductivity

Electrical conductivity

Corrosion resistance

28% to 60 % (and even more) of the mass of the ore body of bauxite is aluminum. The rich impurity residues

make it possible to extract other nonferrous metals from bauxite. The aluminum oxide obtained from bauxite aluminum oxide Al_2O_3 is used as a molding material and metallurgical flux. Alumina-containing refractory materials are highly resistant to thermal and mechanical loads.

Deposit Area

The deposit is located in the coastal South-Eastern part of the Kusmurn Lake, partially covers the lake shore. It consists of several irregular-shaped ore bodies located on an area of 26.2 square km.

The area of ore bodies is 3.2 square km.

Mine Resources

According to the geological information, the mine reserves amount to about 8 million tons of bauxite with an average content of 51-53% aluminum oxide. According to experts, the mine contains about 40 million tons of unconfirmed reserves of bauxite ore, which characterizes the high value of its actual amount

Deposit Location

- Water near the site
- The railway dead end is about 500 meters away
- Electricity of any capacity
- The Railway station is about 7 KM away
- Flat Area

All the necessary stages for obtaining permits for the bauxite production have been completed.

GROSS REVENUE

TBA

EBITDA

TBA

BUSINESS TYPE

Mining Businesses

COUNTRY

Kazakhstan

BUSINESS ID

L#20220389

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