

ceylan mineral



ABOUTUS

PREMIUM

SUSTAINABLE MINING

Ceylan Group started its operations in 1960 in the mining, logistics and agriculture industry. Today, the Group's line of business has expanded to automotive, construction, insurance and fast-moving consumer goods distribution.

We also have partnerships with various global companies like Alfa Romeo, Jeep, Fiat, Kia, New Holland and British American Tobacco that add extra strength to our ever-developing corporate structure.



As Ceylan Mineral Mining Company we manage all the processes of exploration, extraction, processing of our mines from beginning to end.

Our Gypsum Mine which is in preparatory stage for extraction and our coal mines extending over an area of 1.850 hectares are located in Çankırı province, whereas our marble mine extending over an area of 400 hectares is located within the borders of Ankara province.

While we continue exploration of gypsum, marble and coal at our licensed sites, our flagship mineral Sodium Bentonite is extracted from our 4.000 hectare mines and processed at our own factory equipped with high technology.





Built on 50.000 m² parcel with a closed area of 7.000 m² in Çankırı Yakınkent Organized Industrial Zone, located at a distance of about 75 Km from Ankara, our factory processes sodium bentonites which we offer to consumers as a finished product and to industries as an intermediate product.

To increase our annual processing capacity of currently 70.000 tonnes, we have launched new investments in the region for the construction of additional factory spaces that will increase our current plant area to 10.000 m².

In addition to our Sodium Bentonite
Toi Moi brand cat litter, we can also
produce private label products with desired
specifications and provide intermediate and
finished products in Big Bags.



HOW WE WORK



MINING MANAGEMENT

We extract our sodium bentonite minerals using open-pit mining methods from our licensed mines. The raw ores then are directly delivered to our processing plant. Our sodium bentonite mines, which are the building blocks of our portfolio, have a total reserve of 5.000.000 tonnes spread over our 4 licensed sites totaling to 4.000 hectares in Çankırı province. The high-quality bentonites extracted and processed by our company, albeit rare in the region, have been tested and proven for use in casting, drilling, cosmetics industries, and particularly cat litter.



PROCESSING AND ACTIVATION

In our high-tech factory we crush, dry, grind, size and activate the sodium bentonite to enchance its performance. Our inhouse R&D department ensures the development of the best products for the required specifications and maintains quality through conducting tests and analysis relentlessly.





PACKAGING AND SHIPPING

In order to further reduce dust, activated and processed products are transported to our packaging and storage site on conveyor belts. Our products can be packed in different sizes. For finished cat litter products we have the capability to fill between 4-20 Kg or L packs. We also have big bags available for both intermediate and finished products in 500 Kg, 1.000 Kg and 1.200 Kg's.

Our products can be delivered EXW or to the desired location.



SUSTAINABILITY STRATEGIES

As Ceylan Mineral, we place sustainability at the center of our activities in order to minimize our impact on the environment and ensure long-term viability in all stages of our mining and processing activities. We adopt ESG (Environment, Social, Governance) as an effective corporate governance model to make a positive impact on nature and our social environment.

ENVIRONMENT

We are aware of the environmental problems such as global warming, climate change and declining biodiversity, and we are working toward fulfilling our responsibilities in producing sustainable solutions with a proper understanding of the root causes of these problems. ISO 14001 Environmental Management System, for which we are certified, is among the corporate policies that we pursue to ensure environmental compliance, be sustainable and perform better in environmental issues.

We carry out our mining activities with a sensitive approach to waste management, water management, sustainable energy use and efficient use of resources while protecting our environment for the well-being of future generations.





SOCIAL

To protect the physical, mental and emotional health of our social environment, we act in harmony with the expectations and needs of our employees, suppliers, customers, consumers and all stakeholders affected by our business.

Regarding the social dimension of sustainability, we adopt an approach that respects human rights, prioritizes occupational health and safety, and contributes to the local economy of all regions where we operate.

GOVERNANCE

As Ceylan Mineral Mining, we set a premium on obtaining all necessary permits and licenses by fulfilling our legal obligations to the fullest in all our activities.

We place business ethics at the core of all decisions we make, put them into action in a way that protects the interests of the company and its stakeholders equally, and we adopt a sustainable governance model without any compromise on transparency, reporting, auditing and compliance with applicable laws and regulations.



OUR PRODUCTS

PRIVATE LABEL

We can manufacture Sodium Bentonite cat litter products with the required specifications and packaging sizes under your patented brand name. The packages can be both provided through our contractors or supplied by you.

After written confirmation of the product requirements a detailed business plan is prepared and with your approval we move to the production stage. Our production unit organizes all required machinery, material and labour resources to meet your demand on time in full.

Required tests and analysis are done throughout the production process to ensure sustainable quality at every pack that your Brand Name is on.

If you want to explore what Ceylan Mineral Mining can offer as a manufacturing partner and receive samples we would be deligthed to hear from you:



INTERMEDIATE SODIUM BENTONITE

Our intermediate sodium bentonites are made ready for shipping after crushing, grinding and sizing to ensure homogeneous particle size and shape. The processing steps required for intermediate sodium bentonite production are structured according to the intended use and application, in line with the desired properties and performance criteria for the final product. We use moisture-proof and durable 500 Kg and 1.000 Kg big bags for shipping.

You can contact us for your intermediate sodium bentonite orders.

FINISHED SODIUM BENTONITE

Our finished sodium bentonites are made ready for shipping after initial enrichment, drying and blending with other minerals using fully automated high-tech systems in all steps of mineral processing. In this way, we ensure sustainable quality in all products at the same level.

Thanks to our R&D laboratory, we can produce our products in accordance with the various standards and requirements of different countries and we are fully equipped to be your business partner and cooperate with businesses from all over the world with our high-quality products and comprehensive after-sales services.

You can contact us for your finished product orders.









CAT LITTER

Our cat litter Toi Moi, which we produce from the sodium bentonites extracted from our own mine sites and processed in our own factory, is at the service of our furry friends. Toi Moi is a nature-friendly product free of chemicals that is available with Active carbon, Unscented, Lavender scented, Marseille soap scented and Baby Powder scented varieties, characterized by outstanding properties like fast and strong clumping, dust-freeness, odour elimination, non-stick, and fast liquid absorption.

Learn more:

toimoi.com.tr

See all Toi Moi products:

toimoistore.com



SPECIFICATIONS

- 99,8% Dust-Free
- Strong Clumping
- Fast Liquid Absorption
- Easy to Clean
- Odour Elimination
- Long Lasting Usage

PREMIUM SUSTAINABLE MINING



ACTIVATED CARBON



UNSCENTED



MARSEILLE SOAP



BABY POWDER



LAVENDER











IT IS ALL NATURAL!

DOES NOT DUST AND STICK TO MY PAWS!

CLUMPS QUICKLY!

KEEPS MY TRAY CLEAN AND DRY









RURAL SODIUM





ACTIVATED CARBON



UNSCENTED



BABY POWDER



MARSEILLE SOAP



ANALYSIS

CAT LITTER ANALYSIS

- Moisture Content %
- pH
- Fluid Absorption
- Cation Exchange Coefficient
- Density
- Clumping Quality
- Sieve Analysis (% Dust-Free)

BULK COMPOSITION ANALYSIS

- Wet Strength
- Dry Strength
- Swelling Index
- Gelation Coefficient
- Liquid Limit Value
- Loss of Heating
- Sintering
- Calcium Oxide Content
- Gas Permeability
- XRD
- XRF

DRILLING ANALYSIS

- Viscosity Analysis
- 600 r/ min
- Gel Strength
- Pour Point / Plastic

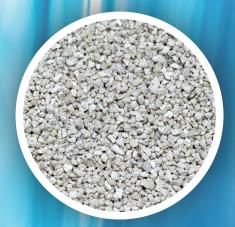
Viscosity Ratio

- Marsh Funnel Viscosity
- Filtrate Volume
- Residue with a diameter greater than 75 µm
- Bulk Density

SODIUM BENTONITE CAT LITTER SPECIFICATIONS

| Particle Size (mm) | 0,50 - 4,0 mm |
|-----------------------------------|---|
| Density (g/cm³) | 0,98 ± 0,3 |
| рН | 10,5 ± 0,5 |
| Moisture Content (%) | 8 ± 1 |
| Clump Mass (g/20ml) | 60 ± 5 |
| Fluid Absorption Capacity (%) | >300 |
| Dust-Freeness (%) | 99,8 |
| Odour Retention | High |
| Available Content / Scent options | Scented - Unscented - Active Carbon |
| Package Sizes | 4 to 20 Kg or 4 to 20 L Unscented Big Bag sizes: 500/1.000/1.200 Kg |
| Packaging Types | Flat Bottom LDPE, Quadro pack LDPE, Kraft, Box, Recyclable Flat Bottom |

PARTICLE SIZE



FINE: 0,50 -1,50 mm



MEDIUM: 0,50-2,50 mm

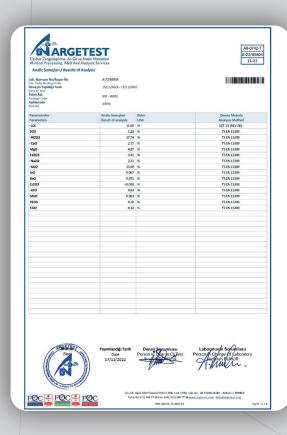


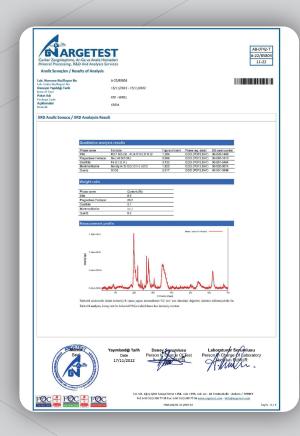
THICK: 1,50-4,00 mm



SODIUM BENTONITE CAT LITTER ANALYSIS







CERTIFICATES











Contact

+90 (850) 202 11 28 info@ceylanmineral.com ceylanmineral.com toimoistore.com

Istanbul Office

Kayacık Mah. Muhtar Sok. Yakınkent OSB Tecom Plaza No:5 K:2 Kavacık/Beykoz/İstanbul

Head Office

Kızılırmak Mah. Dumlupınar Bulv. No:9A2 YDA Center Kat:7 D:230-231 Çankaya/Ankara/Türkiye

Plant

2. Cad. No: 16 Çankırı/Türkiye