



ABOUT US

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.



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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 100.000 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, Kityus, Ecolitt, Montycat brands cat litter, we can also produce private label products with desired specifications and provide intermediate and finished products in Big Bags.



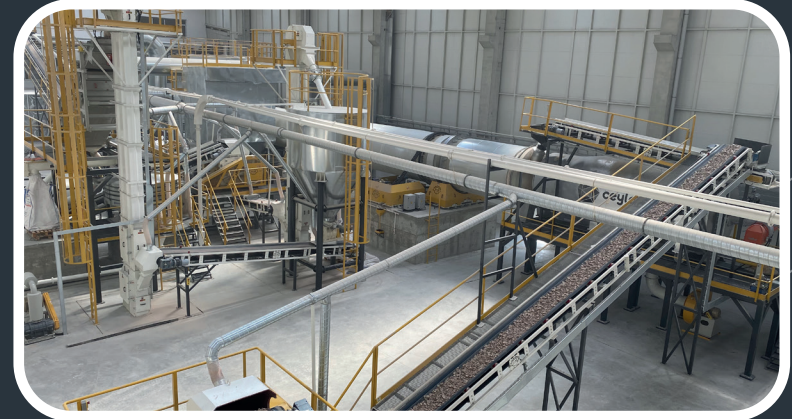
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HOW WE WORK



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 5 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 enhance 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.



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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.



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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 delighted to hear from you:

✉ info@ceylanmineral.com



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 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.





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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





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ecolitt
Natural Cat Litter

Feel Nature with Brown Sodium Bentonite Cat Litter!

With its special formula and the power of active carbon in its content, it provides excellent odor control. It quickly absorbs liquid, forming strong clumps, thus ensuring maximum hygiene in your home. High-quality Brown Sodium Bentonite best reflects the natural living environments of cats. This way, our little friends feel comfortable and safe while attending to their toilet needs. This cat litter brings the essence of nature into your home with its recyclable packaging, special formulation, content, and fragrance.

"Ecolitt is a natural choice for our little friends and a sustainable option for the future!"



SPECIFICATIONS

- Ultra Odor Elimination
- Fast and Strong Clumping
- Eco-Friendly Packaging
- The Ultimate in Dust-Free

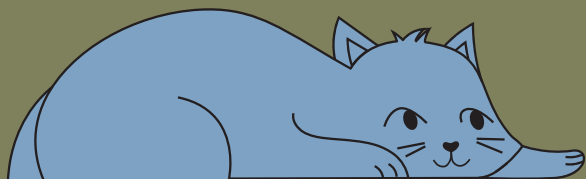


ACTIVATED CARBON

AFTER RAIN

NATURAL

SPRING DAY





**MY CAT LITTER IS
SODIUM BENTONITE!**

IT IS ALL NATURAL!

DOES NOT DUST AND STICK TO MY PAWS!

CLUMPS QUICKLY!

KEEPS MY TRAY CLEAN AND DRY!



PREMIUM
SUSTAINABLE
MINING



ACTIVATED CARBON



UNSCENTED



MARSEILLE SOAP



BABY POWDER



LAVENDER

montycat

Cat Litter



Discover the Perfect Balance of Quality and Affordability!

Montycat cat litter is a price-focused, budget-friendly solution for cat owners. Designed with multi-cat households in mind, the addition offers reliable performance without impairing quality. Existing varieties include activated carbon, unscented, lavender scented, Marseille soap scented, baby powder scented and earthy scented.

SPECIFICATIONS

- Economic
- Dust-Free
- Long Lasting Usage



ACTIVATED CARBON

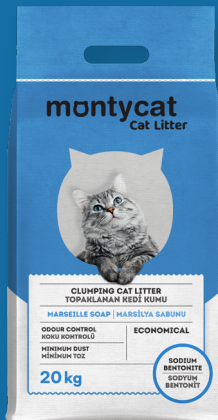


LAVENDER



BABY POWDER

BUDGET-FRIENDLY AND HIGH PERFORMANCE CAT LITTER!



MARSEILLE-SOAP



NATURAL



EARTHY SCENTED

PREMIUM
SUSTAINABLE
MINING

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

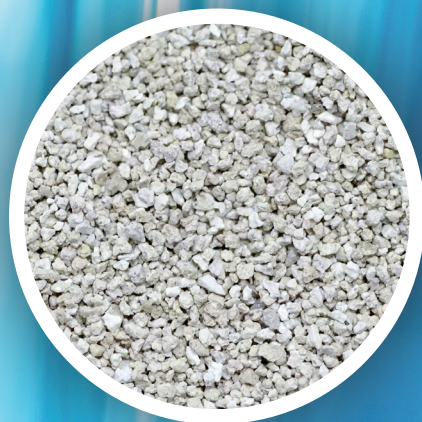
DRILLING ANALYSIS

- 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/cm ³)	0,98 ± 0,3
pH	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


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Toi Moi
Cat Litter

DATE: 11/04/2023

CAT LITTER REPORT OF ANALYSIS

NAME OF CAT LITTER PRODUCT:
Toi Moi Cat Litter

COMPOSITION OF CAT LITTER PRODUCT:
Gray Sodium Bentonite

APPEARANCE OF CAT LITTER PRODUCT:
0.5-2.5mm Gray Granules

CAT LITTER


CHARACTERISTIC FEATURES

Chemical-physical Properties	Unit	Specification	Method
Total Free Moisture	%	8.00±1.00	TS EN ISO 15500
Density	g/cm³	0.99±0.03	TS 13825
Water Absorption	%	Min. 300	TS 12131
pH		10.50±0.5	TS 10252
Clump Quality			TSE K 77
Clump Resistance	cm	100	
Efficiency (20ml, Synthetic Cat Urine)	g	60.0±0.5	
Odour Absorption		Perfect	
Content and Fragrance Types		Natura (scented) Activated carbon (unscented) and Fragrances Lavender, Mar- salle Soap and Baby Powder etc.	
Packing Dimension		Bigbag (1 ton), Range of 4-20kg, Range of 4-20 L	

Begüm Berna YERLİKAYA
Chemist (M.Sc.)

www.ceylanmineral.com

Ceylan Mineral Madencilik San. ve Tic. A.Ş.
Atatürk Kültürparkı Mah. Cumhuriyet Bulvarı No:62
YGA Center Kat:7 02330-231
Cankaya/Ankara/Türkiye
Phone: 0850 202 11 58
Fax: +90 (312) 387 3910
E-Mail: info@ceylanmineral.com
Web: www.ceylanmineral.com


TARGETEST
Center Zonguldak, Ar-Ge ve Analiz Hizmetleri
Mineral Processing, R&D And Analysis Services
Analiz Sonuçları / Results of Analysis

AB-0742-T
A-22/85804
11-22

15/11/2022 - 17/11/2022

Lab. Numarası No/Report No: A-22/85804

Lab. Ürün No/Report No: 15/11/2022 - 17/11/2022

Deneyin Yapıldığı Tarih: 15/11/2022 - 17/11/2022


Paket Adı: KXF - WR01

Analiz Ürün: KXF

Açıklamalar: KXF

Notlar:


Parameter / Parameters	Analiz Sonuçları / Result of analysis	Birim / Unit	Deney Metodu / Analysis Method
LOI	11.05	%	SCT 15 (REV.00)
SiO2	1.23	%	TS EN 15309
Al2O3	17.74	%	TS EN 15309
CaO	2.11	%	TS EN 15309
MgO	4.87	%	TS EN 15309
K2O	3.41	%	TS EN 15309
Na2O	2.21	%	TS EN 15309
SiO2	55.99	%	TS EN 15309
SiO	0.967	%	TS EN 15309
Al2O	0.095	%	TS EN 15309
CaO	0.000	%	TS EN 15309
K2O	0.64	%	TS EN 15309
MnO	0.063	%	TS EN 15309
Fe2O3	0.16	%	TS EN 15309
FeO	0.12	%	TS EN 15309


Maden Tetkik Enstitüsü
Yayınlandığı Tarih
Date
17/11/2022

Deney Sorumlusu
Person in Charge
Dr. Öğr. Üyesi
Dr. Öğr. Üyesi

Laboratuvar Sorumlusu
Person in Charge of Laboratory
Dr. Öğr. Üyesi
Dr. Öğr. Üyesi

E.Ü. S.B. Ağaçlı Sırtı Sınır 1354, kat: 1355, sok. no: 43 Yrancılar - Ankara / TÜRKİYE
Tel: (+90 312) 398 77 98 Fax: (+90 312) 398 77 98 www.targetest.com info@targetest.com
YEM 0402/01.12.2020/12


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Açıklamalar: KXF

Notlar:

XRD Analiz Sonuçları / XRD Analysis Result

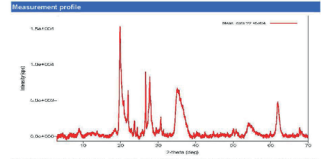
Qualitative analysis results

Phase name	Formula	Weight %	Phase name	Formula	Weight %
Quartz	SiO2	100.00	Quartz	SiO2	100.00
Pyrophyllite	Al2Si4O10(OH)2	0.00	Pyrophyllite	Al2Si4O10(OH)2	0.00
Illite	(K,H3O)Al3(Si3.84Al0.16)O10(OH)2	0.00	Illite	(K,H3O)Al3(Si3.84Al0.16)O10(OH)2	0.00
Montmorillonite	(Ca,Mg,Al)Si4O10(OH)2	0.00	Montmorillonite	(Ca,Mg,Al)Si4O10(OH)2	0.00


Weight ratio

Phase name	Content (%)
Quartz	100.00
Pyrophyllite	0.00
Illite	0.00
Montmorillonite	0.00
CaO	0.00

Measurement profile



Statistik verilerle analiz sonucu 100.00% olarak değerlendirilmiştir. 100.00% olarak değerlendirilmiştir. 100.00% olarak değerlendirilmiştir.


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Tel: (+90 312) 398 77 98 Fax: (+90 312) 398 77 98 www.targetest.com info@targetest.com
YEM 0402/01.12.2020/12

CERTIFICATES



Contact

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

Plant

Yakinkent OSB
2. Cad. No : 16
Çankırı/Türkiye

Head Office

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



ceylanmineral.com