Central Mineral Commodity

Manufacturer, supplier and exporter of Natural Zeolite, Natural Pumice Stone, Natural Silica Gel and Container Desiccant

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CENTRAL MINERAL COMMODITY

Company Profile I Product Catalogue



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WHO WE ARE

Central Mineral Commodity is an Indonesian mining and mineral industry established in 2010. We are one of the pioneer in mining and processing a unique Natural Zeolite called Clinoptilolite and Natural Pumice Stone as our main products.
Our company strongly believe in supplying best quality product on time and giving best services to all the customers, being honest, reliable and profesional make our customers trust on us that leads us until present.







BEST PARTNER FOR MINERAL SOLUTION

Natural Zeolite

Central Mineral Commodity makes natural zeolite for agricultural fertilizer and soil conditioner. Natural zeolite remain in the soil to help improve nutrient and water retention.

Natural Pumice Stone

Pumice stone is essentially volcanic rock, highly pressurized rock is violently ejected from a volcano. Since it is made out of volcanic rock, pumice stone is lightweight and will even float in water.





Our Products

Natural Zeolite



Gravel
2-4mm, 3-5mm



Granular
2-4mm, 3-5mm, 5-7mm



Powder
100mesh, 200mesh, 325mesh

Pumice Stone



1-3mm, 3-6 mm,
3-8mm, 8-10 mm



2-3cm, 2-4cm, 3-5cm

WHY US?

30+ YEARS OF EXPERIENCE

Decades of experience provides us with deep understanding and expertise of products and markets.

WORLDWIDE DISTRIBUTION NETWORK

we built great network of supplying our range. Our exporting network expands to many more countries.

BIG CAPACITY OF PRODUCT

We have an advanced facility where 3000 Tonnes of products are processed in a month.

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Natural Zeolite

For Agriculture







Zeolite improves soil structure by pairing cation exchange capacity (CEC) with an affinity for ammonia and potassium. These properties allow zeolite to buffer soil and prevent the toxicity that is often caused by a buildup of ammonia, traps significant amounts of heavy metals and organic pollutants in contaminated soils.

Zeolites are also known for their water holding capacity and in drylands they are the most suitable fertilizers to prolong moisture levels in severe drought like conditions. In addition to macronutrients, micronutrients can also be introduced into zeolites which can supplement nutrient deficient soils. Thus, zeolites along with increasing yield can also increase the nutrient and water use efficiency of drylands.

THE BENEFITS

- More efficient fertilizer use
- Eliminating poisons elements of plant
- Enhancing the food substance in soil
- Improve and maintain PH balance
- Accelerate plant growth
- Helps strengthen the plant stem and branch
- Improving crops

CEC 150-175 meq/100 gram

Al2O3	SiO2	CaO	MgO	Na2O	K2O	Fe2O3	TiO2	PH	LOI	MnO_2
14,97%	68,58%	2,58%	2,92%	2,55%	0,98%	2,08%	0,75%	5-7	12,46%	0,4%

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For Aquaculture







High ammonia absorption capacity makes Zeolite a very effective natural way to control high levels of this gas generated in fish farms. It can be used in the filtration systems or simply be broadcast over the water surface as it is totally harmless to water life.

Ammonia toxicity at relatively low levels could have detrimental impact on fish tissues such as gill impairment and physiological factors such as reduced growth, higher oxygen consumption and more susceptible to bacterial infections and can restrict yields in intensive fish culture. However, ammonia removal from pond water with high fish density eliminates the drastic effect on fish health which in turns the fish welfare is enhanced. One of the most effectively used method for ammonia exclusion from polluted water is the ion exchange with natural zeolite.

Natural zeolite is excellent remover of ammonia and other toxins in water. It's usage in aquaculture leads to faster growth of fish, prawns and shrimp.

THE BENEFITS

- Purify water quality
- Break down heavy and toxic metal
- Decreases ammonia levels
- Increase oxygen in water
- Regulate PH level
- Clean the pond by increasing growt of plankton



For Animal Feed Additive







Zeolite is widely used by livestock farmers as an animal feed additive for beef cattle, dairy cows, swine, poultry and sheep. Inclusion of zeolite in feed creates an efficient utilization of nitrogen. Zeolite has an affinity for ammonium and will capture nitrogen during digestion through cation exchange, then gradually release the nitrogen during digestion to sustain energy.

The high cation exchange capacity (CEC) of zeolite captures and holds the ammonium before it vaporizes to ammonia gas. The ability of zeolite to hold as much as 60% of its weight in water reduces the fluidity of animal waste making it easier to handle. Reducing ammonia gas and fluidity of waste translates into reduced fly attraction and improves overall air quality resulting in healthier conditions for animals and workers.

THE BENEFITS

- Increased the animal's growth rates and weight gain
- Prevent certain diseases
- Improve the nutritional properties of food
- Improve animal's health and production
- Reduce ammonia concentration
- Reduce needs for antibiotics



An additional benefit, of including zeolite in feed is the direct result of having the manure from zeolite fed livestock containing more nitrogen which in turn provides nutrients for plants and buffers soil when used as a fertilizer.

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Natural Pumice Stone

For Growing media







Pumice stone is essentially volcanic rock, highly pressurized rock is violently ejected from a volcano. Since it is made out of volcanic rock, pumice stone is lightweight and will even float in water. Pumice stone used for such as washing jeans, light bricks and greenhouse. Pumice stone could used for greenhouse because pumice stone is a porous volcanic rock with a neutral pH level and is comprised of highly vesicular strands permeated with tiny air bubbles. The tiny pores on the surface of the pumice act as microscopic reservoirs to absorb and store nutrient-rich mousture, vitamins and minerals.

Pumice stone gravel has a unique ability to trap and retain moisture. It can be used as a soil improver in soils that do not have an ideal soil texture and suffer either from poor drainage or from insufficient moisture retention capacity. The porous and complex surface of the pumice stones act as hundreds of tiny sponges, capturing the water and nutrients, and slowly secreting them back into the root system as needed. This allows for less frequent watering while weanwhile preventing overwatering.



The Report Of Pumice Stone Analysis

Al_2O_3	SiO_2	CaO	MgO Range	Na_2O	K2O	Fe_2O_3
10-50%	60-70%	1-3%	MAX 1	4-5%	4-5%	3-6%

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For Lightweight Concrete And Brick







Another usage of pumice stone is for lightweight concrete and brick. Pumice brick is a construction material. Although it is similar to briquette, it has a different structure and properties. It gives very successful results in sound and heat insulation. The usage area of this type of brick has been getting more and more widespread.

Used in Denim Washing

Pumice stone is a natural volcanic stone which is also can be used for stone wash of garments. Since the pumice stone is rough, porous surface, it is useful as an abrasive. During the stone washing process, it works like sandpaper to abrade the jeans, so the jeans feel much softer and faded look.





