

ION-MIN[®]: Natural, Premium Calcium Bentonite - Montmorillonite

A great supplement comes from a great source. ION-MIN[®] is a naturally fine, pure, and pristine Calcium Bentonite clay compound made of pure Calcium Montmorillonite.

How is ION-MIN[®] Better?

When it comes to the health aspects of Calcium Montmorillonite, **five things are absolutely important:**

1. **Purity:** the closer a Bentonite clay is to its pure form of montmorillonite, the more cleansing power you get with less impurities and fewer variables.
2. **Natural source:** minerals that are naturally derived, not derivatives of man-made, industrial processes
3. **Ionic charge:** the ability to suspend mineral cations in an anionic delivery medium, and the ability to draw toxins into the medium
4. **Particle size:** the extreme fineness of the mineral powder
5. **Mineral content:** the balance of naturally oxidized minerals in macro, micro and trace amounts

One: In common parlance, Calcium Bentonite clay and Calcium Montmorillonite clay are the same thing. The terms are virtual synonyms. Actually, Bentonites are ores, or aggregates of montmorillonite crystal minerals plus other clays and non-clay minerals. But in order to receive the purest type of nutrition and health-promoting supplement, you want your choice to be the most pure form of the mineral. Thus, you want Calcium Montmorillonite, whenever you have the choice of "Bentonites". Stay away from mixed clays that contain Fuller's Earth, Quartz minerals, illites, and Kaolin. They do not produce the same biochemical results.

Two: The next consideration is to find a natural source of your mineral supplementation. The source must be free of contaminants and the chemical structure of the elements must not have been altered through processing and refinement in a way that makes them hazardous. For example, ferrous sulfate (FeSo₄) is a potentially toxic form of iron that some doctors prescribe as a supplement. Unfortunately it is corrosive and potentially poisonous, especially to children. However, its natural form—iron oxide is the same substance that makes your blood cells red. It is a necessary and healthful trace mineral for life.

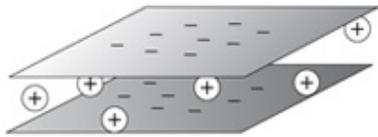
It is also important for you to take a *natural* form of detoxification. There's no reason why you should risk adding man-made toxins to your body during an internal cleanse by treating your body with unnatural detoxification agents.

Three: You should also know that while most mineral molecules are naturally positively-charged ions, they are not suspended in a medium that helps buffer their release. This means the body can be given too much or too little of the mineral at any given time.

The Ionic electrical charge is also the mechanism for non-chemical removal of toxins from your body. Montmorillonites act as "anions" (pronounces an-ions)...they carry a strong, net negative ionic charge. And as it turns out, most heavy metals and pathogens are "cations" (pronounced cat-ions)...they are positively charged and irresistibly attracted to the clay

mineral compound in a hydrated environment, such as your body. This phenomenon is based on electrokinetics and the charge attraction of net-positive and net-negative molecular bonds.

Four: Another extremely important consideration is the third one above: particle size. I'm sure you've heard pundits tell you that the minerals you take in are a waste of money because your body cannot assimilate them in their supplement form. And for many minerals, this is true. The reason is particle size. If your minerals are not sub-micronic in size, most of the nutrients will not pass through your intestinal walls, and therefore will not be utilized. Since stomach acids cannot break down most of a mineral's molecular structure; so much of the nutrient potential in many off-the-shelf mineral supplements is wasted.



Particle size also determines the strength of the ionic charge of the Montmorillonite compound; so it is a more potent detoxifier. The smaller the particle size, the greater

the surface area per given unit of measure. This is important because this is where the negative charge is held.

Five: And finally, the Calcium Montmorillonite/ Bentonite clay product you choose must be able to deliver a balanced portfolio of health-promoting minerals in active ionic condition. All electrokinetically charged clays attract mineral elements. But the kinds of minerals they attract depends on the environment that they came from. The very best Montmorillonite/Bentonite clay compounds have a balanced, yet rich complement of electrolytes and trace minerals needed to deliver nutrients into the food chain. Ultimately, the supplement you choose must help you meet your complete needs for proper body metabolism.

Chemical Analysis

At California Earth Minerals, we have a natural source of the "right stuff", and it satisfies all five criteria above as a superior form of mineral supplement. For over 50 years our mineral supplements have been tested and analyzed by some of the world's leading research institutions, with remarkable results!

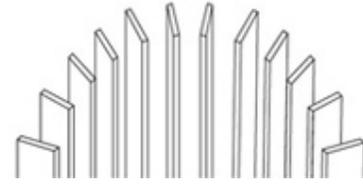
Our mineral products contain ION-MIN[®], a natural, premium Calcium Montmorillonite of extreme fine-particle size. But it is not just Montmorillonite; ION-MIN[®] contains a naturally balanced portfolio of 57 macro, micro and trace elements, many of which are vital for your body's performance. Science is finding out every year that minerals and metals in trace amounts are necessary and beneficial to the human body. Nature has exposed our mineral compound to natural ionic colloids from the Colorado Rocky Mountains. And these ultra-fine colloids are held in suspension within our compound under a loose electric bond called "ionic suspension". As a result, our compound is both a superb mineral source and a natural detoxification agent.

The Silica Secret!

Not only are the mineral colloids of extremely minute size, but so is the medium used to deliver them. One reason ION-MIN[®] works better than ordinary mineral supplements, such as liquid colloids is that it contains silicon (aka silica), the one mineral that acts as catalyst in combination with other minerals to support bone and tissue health. And the silica in our mineral compounds is in the form of invisible platelets, which are themselves nanometric in

size. Therefore, both the mineral payload (cationic minerals) and the delivery/catalyst mechanism (anionic silica) can reach your bloodstream and help rejuvenate your body quickly and consistently. This capability improves the performance of clays that are ingested as well as clays that are used topically.

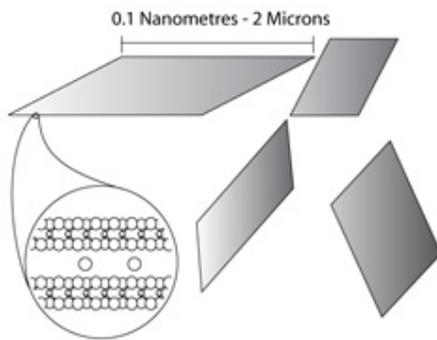
Silicon is one incredible mineral! It is used in your body to support: bone formation, bone-joint-cartilage and ligament strength and flexibility, bone mass retention, teeth and gum health, heart tissue strength, along with skin cells and hair resilience.



Measuring ION-MIN[®]

Moreover, the smaller the particle size of the ION-MIN[®] platelets, the more powerful is its negative ionic charge. This significantly increases its ability to detoxify.

To provide you with the finest powder possible, the mineral powder in our products undergoes a separation process into grades that meet the needs for various markets. The larger particles are removed and we keep only very fine particulate of differing levels of fineness. But it is important to remember that as with all natural products, sizes vary. And traditional measurements of grade are inadequate for sizes as small as the particles in ION-MIN[®] Bentonite clay.



Unfortunately traditional measures of grade, called mesh-size only tell you the largest particle sizes that have been removed from the product. However, most of the product contains particles much smaller. And as a consumer, you should know what the ratios of fineness are for each product. This is why we've taken the extra step of measuring the particle size of the smallest particles and measured how much of our product is made up of these extremely small health-

promoting colloids.

[See our product grade chart](#)

Statements regarding dietary supplements are provided solely to offer our customers additional information about alternative medicine. No health claims for these products have been evaluated by the U.S. Food and Drug Administration (FDA), nor has the FDA approved these products to diagnose, cure or prevent disease. You should consult your healthcare provider before starting any course of treatment.