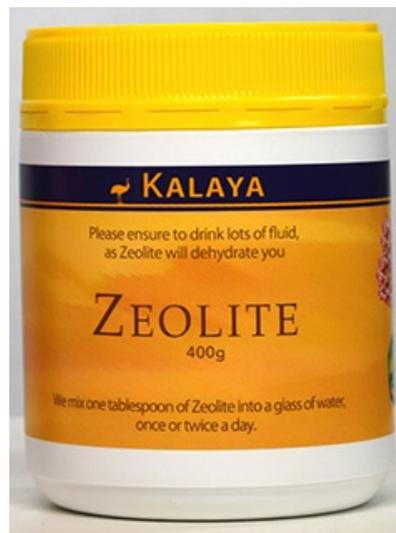


*THE ZEOLITE PROTOCOL
NO. 13*



ZEOLITE FOR REMOVING HEAVY METALS AND TOXINS

THE MICRO-POROUS MOLECULAR STRUCTURE OF A ZEOLITE CRYSTAL

OVER THE COURSE OF A LIFETIME, everyone will absorb or accumulate high levels of heavy metals. These heavy metals continue to build up with the passing of time. As they become more concentrated they will begin breaking down the body's cell structure and cause inflammation and a rapid buildup of free radicals.

This slow accumulation of heavy metals in human bodies has been implicated in numerous neurological diseases including autism, attention-deficit hyperactivity disorder, Parkinson's and Alzheimer's diseases. Links have also been made between lead and mercury accumulation and the development of learning disorders, cardiovascular diseases, such as hypertension and cardiac rhythm disorders. Renal disease has been linked to exposures to lead, arsenic, cadmium, and mercury, and reproductive problems, including infertility, have been linked to numerous other heavy metal exposures.

ZEOLITE is a naturally occurring soil-rock material, similar to clay, which forms when molten lava comes into contact with seawater. Zeolite is an alkaline volcanic ash (clinoptilolite) that has a crystalline honeycomb-like micro-porous molecular structure that has formed over millions of years.

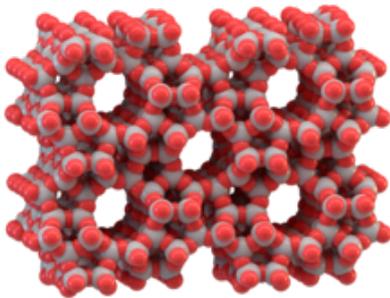
Zeolites have a natural negative charge, which attracts and absorbs any positively charged heavy metals and chemical toxins.



The positively charged heavy metals and toxic chemical molecules are attracted to the negative charge of the zeolite and flow into the honeycomb structure and becoming trapped or caught. They are held within its cage like structure in a similar way that a magnet will attract iron filings. Because of this strong electrical bonding the trapped heavy metals are not released back into the surrounding body fluids. They have become chelated or bonded to the zeolite crystal and will remain there until they are both naturally eliminated.

Zeolite has shown to attract the **harmful heavy metals mercury, lead, tin, cadmium, arsenic, aluminium, antimony, iron, nickel and some other heavy metals**, because they all carry a much greater positive charge than some of the other metallic molecules. **Essential minerals**

have a lower positive charge than the heavy metals. Essential minerals such as calcium, sodium, potassium and magnesium have a lessor affinity or attraction with the zeolite and even if they are initially attracted to the Zeolite crystal they will be pushed out of the zeolite by any heavier metal that has a greater positive charge.



Zeolite appears to remove toxins from the body in a hierarchical order. It first acts strongly to remove mercury, tin, lead, cadmium, and arsenic. This first phase may take 1 - 4 weeks or longer. Next it removes second priority toxins including pesticides, herbicides and plastics. Then it removes xeno-oestrogens from the body excreting them through the urine. It also seems to neutralize the aflatoxin and mycotoxins poison produced by fungi and yeast.

This negative charge acting like a magnet to attract toxins, positive charged viruses, halogens like bromine and fluorine and the heavy metals like mercury, lead, arsenic (being the worst), cadmium, and aluminium into its cage, traps them and then carries them out of your body. It can

also adsorb bacterial odours, formaldehyde, sulphur dioxide, etc.

Zeolites generally have a low affinity for essential minerals like calcium, magnesium, potassium, etc. and a high affinity for lead, mercury, arsenic and cadmium. Unlike other chelators, zeolites actually prefer mercury and lead to the essential minerals.

The toxic heavy minerals are structurally much smaller than the essential minerals and therefore they fit better into the crystalline cage structure. The heavier metals, with their higher positive charges, and smaller sizes will actually push the essential minerals, with weaker positive charges and larger molecular sizes, out of the cage and back into the body fluids where they are needed. This unusual property of the zeolite is called "cation exchange". They are able to continue to attract and hold the higher positively charged molecules (heavy metals) and because there is now no room in the honeycombed crystal, they release the lower positively charged essential minerals, such as calcium, potassium, and magnesium that may have been previously attracted, back into the surrounding environment. This chelation process is known as absorption.

Studies in normal volunteers have shown a 5-7-fold increase in urinary excretion of heavy metals within a week of using zeolites. This represents a removal of heavy metals and toxins from the blood only, as zeolite cannot cross the blood brain barrier or enter tissues.

However, continued use may slowly removal of heavy metals and toxins, from other tissues, where the toxins have been stored, as they are released back into the blood. Heavy metals get stored in slow turnover tissues such as bone, fat cells and the brain. If the extracellular fluid and plasma levels are kept low enough for a long enough period of time, all tissues, including brain cells will have a greater likelihood of downloading their toxic levels of metals back into the blood where the zeolite will remove them.

RESEARCH WITH ZEOLITE has also implied that it may also improve liver function and appears to block viral replication. It also helps balance the body's pH promoting a more alkaline state and improves oxygenation of the blood. Preliminary studies suggest it increases serotonin production, therefore improving mood. It binds mycotoxins (toxins from fungi and yeast)

While the ingested-with-water zeolite is slowly traveling through the small intestines, the millions of tiny hair-like intestinal villi are coated with the zeolite. The villi are the nutrient absorbing gateways from the intestines to the bloodstream. This intimate contact is also how food molecules are absorbed into the blood. From this contact with the villi the zeolite purifies the blood without crossing the blood brain barrier. The mechanics of this process eliminates the possibility of toxic materials re-entering other organ tissues after being flushed out. It's truly a chelation process. Adsorption is the process of electronically attracting and binding rather than absorbing like a sponge. So zeolite adsorbs and chelates heavy metals. After ingestion, zeolite is resistant to degradation by gastric and intestinal juices, and its major cage structure is not absorbed from the gut into systemic circulation.

ZEOLITES SHOULD NOT BE TAKEN by anyone relying on medication containing heavy metals, such as lithium or platinum, (which is often found in some cancer medications). They should also be spaced apart from any mineral supplements you may be taking. It is also recommended to drink plenty of clean water (8 to 10 glasses a day) while on zeolites to help flush your system.

One gram of zeolite gives several thousand square feet of surface area! Because of this property, zeolites have a great absorbing and healing power. Zeolite is normally insoluble in the stomach and bile acids. It is mainly eliminated in feces along with the toxins that it has adsorbed. There is no real documentation about the possibility of zeolite entering the blood stream.

When ingested, powdered zeolites, like almost all silicates, are inert and therefore do not react chemically with food or body fluids or their metabolites. Therefore the risk of any associated adverse effects is very low or insignificant.

DOSAGE INTAKE:

Zeolite is normally taken twice a day, half a teaspoon diluted in 200ml of water (best to use a non-metallic spoon and cup) in the morning and before bed. A break should be made between its intake and meals [about 1 hour before or after]. If medications are taken, care should be taken, since Zeolite can neutralize their action. In cases of kidney problems or pregnancy clinoptilolite is not recommended. In cases of food poisoning, diarrhea and bacterial infections, larger doses are known to have been taken by some people [1-2 tablespoons]. Obviously, a hospital treatment should be sought first and foremost in an emergency."

HEALTH BENEFITS:

1. Removes heavy metals including mercury, cadmium, lead, arsenic, aluminum, and tin.
2. Removes radioactive metals like caesium and Strontium-90.
3. Removes pesticides, herbicides and dioxins by reducing the toxic load to the liver
4. Reduces viruses in body
5. Reduces absorption of nitrosamines, which are most commonly found in processed meats, and have been linked to pancreatic, stomach and colon cancer, as well as to Type II diabetes
6. Helps buffer body pH to a healthy alkalinity
7. Helps to buffer blood sugar
8. Helps reduce cancer risk
9. Improves nutrient absorption
10. Acts as a powerful antioxidant
11. Reduces symptoms of allergies
12. Increases immune system function by removing toxins, viruses, yeasts, bacteria and fungi which can depress immune function
13. Helps prevent premature aging

QUALITY ASSURANCE: Our zeolite has been mined from the cleanest zeolite deposits in New Zealand and has been re-tested for purity at Griffith University in Brisbane. It has also come from a natural mine that has not used explosives during the extraction processes. "Quality tested zeolite products have been proven through numerous scientific studies to be 100% safe and have been granted GRAS (Generally Recognized as Safe) status from the U.S. Food and Drug Administration (FDA)."

As part of our overall detoxification program we often recommend using Zeolites to aid this process. We recommend treatment should continue for at least 3 months, which in most cases we have tested has shown to be sufficient to bring most heavy metal levels down to very low levels. Heavy metal testing is the only true way of knowing exactly how long you will need Zeolite. The manufacturers recommend taking it indefinitely however we do not feel that it is necessary. Once you have got your levels down you may choose to take it for a couple of months each year to maintain low levels of heavy metals and toxins throughout your life.

DISCLAIMER

Always consult your health care professional for guidance for all medical conditions. Nothing "quoted" above by the "research scientists" and "scientific records" from ancient and recent publications should be considered as medical advice. It is information that is available in the public domain, and is for information and education purposes only.

We make no medical claims as to the benefits accruing from the use of Kalaya Zeolite

www.kalayaproducts.com.au

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