

## Important Information About Zeolites from Rik Deitsch

In response to a recent article on the Internet site Natural News that has raised questions about the safety of zeolites, I wanted you to hear from me as it relates to any concerns you may have.

First of all, the author of the article, Mike Adams, editor of NaturalNews.com, only studied powdered zeolites. Natural Cellular Defense was not evaluated.

It should not have come as a surprise to him that the zeolites contained Aluminum. ALL zeolites contain aluminum by definition – zeolites are “aluminosilicates”. Their only constituents are Aluminum, Silica and Oxygen. The aluminum in the cage structure of the zeolite is non-exchangeable. This means that it is not available to be absorbed by the body and cannot contribute to aluminum toxicity. In his study, he used a strong acid to destroy the zeolite in order to enumerate all of the constituents. This freed up all of the aluminum to be tested. That NEVER happens in the human body – the zeolite cage is stable and remains intact throughout the entire digestive cycle and can be recaptured - unchanged in urine and fecal matter.

In zeolite products that do not undergo a cleansing or “activation” process, you will always find excess heavy metals and VOCs (volatile organic compounds). That’s because zeolites in nature pull these toxins from the environment and from their surroundings. Many companies utilize different cleansing processes to remove the contaminants. As an example, Megamins utilized tribomechanical activation; where they use mechanical activity to sift the zeolite into different purity states by weight and particle size. For Natural Cellular Defense, we use a heat/acid process that burns off the VOCs and precipitates out the extraneous heavy metals. This provides a pure zeolite product with some Calcium and Magnesium added for stability. There will always be very low levels of some metals that are deep within the zeolite cage that cannot be removed – but these are also non-exchangeable and certainly less than you’d find in drinking water.

The author goes on to say that zeolite manufacturers have been “lying” to consumers. This is just not true. The tests for purity and particle size has always been readily available on the Waiora website. We have also always commented on the counter-intuitive concept that the product contains aluminum but is great at removing aluminum from the body. As stated previously – the aluminum in the zeolite is part of the cage and is not exchangeable. Any aluminum in the body that is available to the zeolite will be captured and removed – this has been proven in several clinical studies.

Mr. Adams also accuses manufacturers of “re-toxing” people by supplying them with heavy metals from the zeolite. This is a ridiculous accusation. In all of our trials, we actually blanked our machines against the NCD samples. This means that ANY metals the patients may have received from the zeolite and then excreted would have been discounted from the analysis. We only measured the additional excretion of heavy metals that could be caused by the use of NCD.

I’m frankly surprised that Mike Adams is acting like he would be unaware of any of these facts as he was an early adopter of the zeolite concept and wrote the definitive support article in support of NCD ([http://www.naturalnews.com/015232\\_zeolite\\_zeolites.html](http://www.naturalnews.com/015232_zeolite_zeolites.html)) in 2005. He also knew that there were

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experts in the field that could have analyzed his data and corrected issues before publication of negative and inflammatory material.

Yes, there are substandard zeolite products in the market. But that's true of any category of dietary supplement. The fact remains that Natural Cellular Defense has been used successfully by tens of thousands of people for nearly 10 years of use with amazing, reproducible results. We have also conducted several clinical studies and have published our data with peer-review.

Lastly – I posted this information to Mike Adams' website as a comment on his blog and he did not approve it. That bodes poorly for someone that consistently states that they allow for a balanced conversation. In this case, he is not allowing for reasoned responses to his diatribe against zeolites.

It should also be pointed out that Mr. Adams, is a one-time supporter of Natural Cellular Defense (link to the article is above) and of zeolites. Recently, he launched a competitive zeolite product.

Thank you to all the users and supporters of Natural Cellular Defense. Many have tried to replicate this extraordinary product – and extraordinary results – but there is truly NO equal in the marketplace.

Yours truly,

Rik J. Deitsch