



Speaker 1 ([00:00](#)):

So Dr. Nikolaos, let's start off with question number one. And I'm going to open this discussion because we hear the terms, suspension, zeolite suspension. We hear the term zeolite powder, the term zeolite solution. So will you help our friends on this webinar understand where each of these different forms of zeolite work, where they work in the body and why they work the way they work in the body?

Speaker 2 ([00:37](#)):

Of course, Denise. Well let's start with a fundamental basis. Zeolite is a mineral. It is sodium alumina silicate. The zeolite that we're talking about it's called Clinoptilolite. That's a difficult Greek name, even for Greek scientists like me. But it is sodium alumina silicate. Zeolites were made when volcano lava went into the sea water. Okay. The zeolite that we are using at all ZOI Global formulations, whose mined in the minefield in Nevada, United States. It's an American zeolite. Now please think of this in Nevada, at that period of time, the was back in history, it was water, sea water, and there were volcanoes. I find this very fascinating. Okay. So this is the zeolite that it's found in the ground. Okay. This is a zeolite in a solid form, like the sand in the sea. Okay. Natural zeolite. This zeolite cannot be consumed, it's full of elemental impurities as we call them. So many companies take zeolite, they grind it and they make zeolite powders.

Speaker 2 ([02:10](#)):

If they do it right, they also clean this zeolite. So this is the zeolite powder. And depending on the size of the zeolite, it can be small particles. Some companies they do it very small. The grind is very small. The particles nano-sized particles, still this is a powder of a zeolite. Now this is natural zeolite. And it is totally different from a synthetic zeolite. Synthetic zeolite is made in a laboratory. In the laboratory setting, they start from aluminum, sodium, and other elements, and they make a zeolite. This synthetic zeolite is not supposed to be used by humans. This is for industrial use only. Okay. Now, let's go back to the natural zeolite. Mined in the minefield, not good to be consumed. Then grinded made to a powder. If this powder is cleaned by a process to clean it from elemental impurities, that's a good powder.

Speaker 2 ([03:25](#)):

Some other companies are putting this powder into water and they create a zeolite suspension. Exactly the same way that the kids in the beach are taking sand and they put it in water they make several constructions. So they make zeolite suspensions. What is a suspension? A suspension is a liquid formulation where the solvent is water, and a solid is added to this water. Suspensions have a unique characteristic. The particles remain suspended in the suspension, but under the force of gravity, after a certain period of time, the particles of the solid will settle in the bottom of the container. They form as we call it a solid product. And these are zeolite suspensions. Depending on the quality of the starting zeolite, and depending on how the zeolites has been cleaned, these can be good suspensions. Now at

this point, before we discuss about the only water solution of the zeolite, which is the ZOI Global zeolite, let's see the common characteristic that zeolite powders and zeolite suspensions have, they stay only in the gut.

Speaker 2 ([05:08](#)):

They cannot be absorbed by the gut and go further from the gut. So you take them, they get in the gut and they will stay for a certain period of time. After one or two bowel movements, they're going to be out of the human body. Let's make it clear and let's not get this wrong. There are some good zeolite suspensions in the market, and there are good zeolite powders in the market. But again, common denominator of these powders and suspensions is that they work only in the gut. Now we categorize the zeolites, synthetic, natural. And the natural ones can be powders, suspensions, and for the first time we have a water solution of a zeolite. A water solution of water-soluble zeolite. A water solution is a liquid formulation of water, like the glass of water I have in front of me, or you add the solid.

Speaker 2 ([06:24](#)):

Classic example is the table salt that we use in our food. So my kids have done the experiments. They throw what table salt in the water. And they created a water solution. What is the main characteristic of a water solution compared to a suspension? In water solutions the dissolved solid remains dissolved forever. So the force of gravity has zero impact. Practically you are not going to see a solid product, out of the solid being settled in the bottom of the container. And that's a water solution. Let's have a drop. Now substances that are in solution, in water solution, or behave as they are in a water solution, have a unique characteristic. It can't be absorbed in the gut. And this is a cardinal difference between the water solution of water soluble zeolite, that we have it in all ZOI Global formulations, compared to any other zeolite that is a powder or a water suspension.

Speaker 1 ([07:57](#)):

Thank you so much for that explanation, Dr. Nikolaos, and I think you just solidified why at ZOI Global we're able to say no other zeolite on the planet can travel where ZOI Global zeolites are capable of traveling. It's that simple. Every zeolite, regardless, whether it's a suspension, water suspension, or a powder, it's going to stay and work in the gut. So thank you so much for that. Thank you for that clarification, Dr. Nikolaos, you know, that was a struggle for me initially to really grasp the magnitude of it. And man, once it sets in and you realize, gosh, at 5 foot 11, I have a whole lot of body that needs this zeolite, not just my gut. You know? So.

Speaker 2 ([08:49](#)):

Let's add one, one more detail here. I believe it's very critical to realize this in ZOI Global formulations, we have the water solution of water-soluble zeolite fragments. Now this is patented. This belongs to Metron Nutraceuticals and to now ZOI Global and to nobody else. Within this water solution that we have, there are some particles of the zeolite that can not be absorbed in the gut. So here is the extremely important information that I want all friends to have in their mind, ZOI Global zeolite, a water-soluble zeolite, can act in the gut and further from the gut to offer a systemic action. That's very important.

Speaker 1 ([09:59](#)):

It's critically important, and to your point, Dr. Nikolaos, once that settled in with me, and I really understood the magnitude of it, where it can act in both. It can act in the gut like every powder and every suspension.

Speaker 1 (10:17):

Correct.

Speaker 2 (10:18)

But it also can act head to toe systematically across the body and other places.

Speaker 2 ([10:25](#)):

Correct, Correct, Correct. With one exception, presently, we do not claim penetration of the blood-brain barrier. Presently, we don't claim action in the central nervous system. This may change in the future. There are studies that are in place in order to find if our water solution of water-soluble zeolite fragments can get into the central nervous system. We don't know. And for this reason we don't claim it. Denise, but it made me, it is laughable when we hear from others that tend to contaminate the social media, with their zeolite powders or zeolite suspensions, claiming that their products can, can act in the central nervous system. Powders in suspension cannot be absorbed in the gut. How in the world can reach the central nervous system. Okay.

Speaker 1 ([11:34](#)):

Excellent. And I'm so glad you said that. Dr. Nikolaos, because there's a lot, as we said, there is a lot of misinformation and setting the record straight and giving people the truth is exactly what the focus is here. So thank you immensely for that further clarification. It was invaluable.