Detox: A Modern Necessity

It is an unfortunate fact of modern life that heavy metals exist in our water, air, food and dental fillings and that they are absorbed into the body's cells. Mercury, aluminum, cadmium, nickel, cobalt, uranium, lead, thallium, arsenic, organophosphates, organochlorides, etc. are all toxins that can result in debilitating and chronic illnesses for millions of people. Eliminating these toxins from the body and maintaining the levels of these toxins is important to everyone's health and wellbeing.

Product Summary: NDF® is a dietary supplement that increases the excretion of heavy metals and chemicals including mercury, lead, aluminum and arsenic. The chlorella cell wall in NDF® is a mucopolysaccharide (non-metal) ion exchange resin (MIER™). It forms both ionic and double bonds with toxic heavy metals in the body. NDF® is produced using a proprietary manufacturing process with the active ingredients suspended in a liquid, assuring rapid absorption and 100% bioavailability.

Ingredients: Micronized Yaeyama Chlorella, Organic Cilantro, PolyFlor™ cell wall lysates of: L. rhamnosus, B. bifidum, B. infantis, B. longum, L. acidophilus, L. planatarum, L. thermophilus, L. salivarius, L. casei, L. reuteri, L. bulgaricus, DDS-1®, deionized water and gluten-free alcohol (20% by volume.)

Clinical Use: The NDF® method of action is as a MIER™ (mucopolysaccharide; non-metal) detoxifier, thus may not bind in the kidney; one year of continuous use at 2 ml. per day showed no elevation of serum creatinine and an improvement in BUN/creatinine ratio. The kidneys are the primary route of excretion, providing very low risk of metal re-absorption through excessively permeable bowel membranes that are common in individuals with heavy-metal toxicity. NDF® is a source of bioavailable minerals (see nutritional analysis of chlorella at http://bioray.com) and does not pull beneficial minerals from the body.

Intake: Children and Sensitive Individuals: Start with 1 drop per day in 4 - 6 ounces of filtered water or juice once (1x) a day in the morning. Increase by 1 drop every 3 - 4 days, as tolerated. Work up to 26 drops twice (2x) a day.

Adults: 3 - 6 drops in 6 - 8 oz of filtered water twice (2x) a day. Increase intake by 6 drops every other day until intake is 52 drops twice (2x) a day. Stay hydrated with lemon and water. Ensure bowels are moving daily.

Product Order Information:

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These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any diseases.
Why "Micronize" the Ingredients?
Chlorella is known in the mining industry to bind heavy metals to its cell wall. Many people have taken chlorella without noticing benefits. One significant reason is that much of the available chlorella is not 'cell wall broken' as purported; it remains as whole diatoms and most of it is contaminated with heavy metals.

A. Whole Diatoms
This picture clearly shows that not only are ALL of the cell walls intact, but the individual diatoms are tightly clustered in groups of about 500 units each. This would be very difficult to digest and may explain why some people get gastro-intestinal distress when taking normal chlorella but not with NDF® and NDF Plus®. Cell wall decimated chlorella has not been available until now.

B. Mid Micronization
We devised a mechanical cold temperature micronization process and ran the chlorella liquid through it. You can see below, the single free chlorella diatoms during the middle stage and the beginning of cell wall destruction. Particles of the cell walls can be seen in the surrounding liquid, this distinctive cell wall structure and its chemical composition are partly responsible for the chlorella's toxin-absorbing capabilities. The cell wall is comprised of approximately 31% hemi cellulose, 27% protein, 15.4% alpha-cellulose, 9.2% lipid, 5.2% ash, and 3.3% glucosamine.

C. Decimated Cell Wall – Starry Field of Ingredients
This slide is post centrifugation and reveals the micro-reduced particles made from the chlorella during our micronization process. You will notice that there is no particulate matter in micrograph A; only whole diatoms. Seen through the microscope are millions of scintillating particles at .1 microns surrounded by a 'protit veil', or haze of smaller particles, making one drop of NDF® and NDF Plus® more effective than whole chlorella in its ability to be utilized and digested (this allows for superior detoxification.)