



## Chemical Analysis of Pure Body

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In keeping with Touchstone Essentials' absolute commitment to product efficacy, all quality standards for Pure Body are tested by an independent third-party laboratory, with no vested interest in the results. The attached report is provided by Inovatia Laboratories.

The chemical analysis performed on Pure Body is the most rigorous of testing suites available, evaluating precisely what is trapped inside the three-dimensional zeolite cages (see page 2 of 2).

This process allows us to measure how effectively we have "cleaned" the zeolite cages of preexisting heavy metals and toxins (compared to raw material samples). In the cleaning process, calcium, magnesium, potassium and sodium are added back in, so that when in the body, those cages now have a healthy cation to swap out for unhealthy heavy metals and toxins. This facilitates the cationic exchange that makes zeolite a beneficial mineral.

The proprietary cleaning process of Pure Body involves the use of a mild organic acid (vinegar), reflected in the result for Total Organic Carbon. For a sense of perspective on the sensitivity of the test, this result is the equivalent of one drop of commercially available vinegar in a gallon of water. This organic acid also accounts for the safe level of Volatile Solids result in the test.

To test every element in the zeolite, a strong acid mixture called Aqua Regia (nitric acid and hydrochloric acids) is added, dissolving all solids in the

sample, even the zeolite itself. Since zeolites attract heavy metals so strongly, this is the only way to completely free them for analysis. This creates a true liquid, which is then stringently tested.

By definition, zeolite is a hydrated aluminum silicate, in other words, it is made out of aluminum. This form of aluminum is totally inert and does not interact with the body in any way, as proven in numerous studies. In the tests, the zeolite is dissolved, and therefore the Aluminum and Silicon are released from the zeolite and are measured.

Additionally, Pure Body is shown to have undetectable levels of bacteria (Aerobic Plate Count), Mold and Yeast, demonstrating its safety. For all results of all tests, the reporting limit listed references the minimal detection limit for the substance measured.

Understanding the chemical analysis is just one part of what makes a safe and effective supplement. We must also have an assurance as to the type of zeolite in the product (clinoptilolite) and most importantly, to the size of the particles, since particle size will determine its absorption into the bloodstream.

These additional tests have been conducted for Pure Body and are published to not just demonstrate our product efficacy, but to also raise the bar on transparency for all providers of zeolite products. For all independent analysis, please visit [TouchstoneEssentials.com](http://TouchstoneEssentials.com).



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**ANALYSIS REPORT**

**Chain of Custody Number:** R14-075.V2  
**Project Name / Number:** N/A / N/A  
**Date Collected:** N/A  
**Time Collected:** N/A

**Sample Number:** PB20  
**Lab Number:** R14-075-01  
**Sample Matrix:** Liquid  
**Sample Type:** N/A

Analysis	Result	Units	Reporting Limit	Analysis Method	Date - Analyst
Total Organic Carbon (TOC)	634	mg/L	10	SM 5310 B	9/18/2014 - MWL
Volatile Solids	7.65	%	0.1	SM 2540 G	9/11/2014 - BD
Aerobic Plate Count	< 10	CFU/ mL	10	FDA III	9/11/2014 - MWL
Total Mold Count	< 10	CFU/ mL	10	FDA XVIII	9/14/2014 - MWL
Yeast	< 10	CFU/mL	10	FDA XVIII	9/14/2014 - MWL
Magnesium, Total	344	mg/L	5.00	EPA 200.8	9/10/2014 - DS
Aluminum, Total	293	mg/L	125	EPA 200.8	9/10/2014 - DS
Silicon, Total	17000	mg/L	100	ICAP	9/17/2014 - MWL
Potassium, Total	925	mg/L	5.00	EPA 200.8	9/10/2014 - DS
Calcium, Total	1840	mg/L	5.00	EPA 200.8	9/10/2014 - DS
Nickel, Total	< 0.750	mg/L	0.750	EPA 200.8	9/10/2014 - DS
Arsenic, Total	< 0.750	mg/L	0.750	EPA 200.8	9/10/2014 - DS
Selenium, Total	< 0.750	mg/L	0.750	EPA 200.8	9/10/2014 - DS
Silver, Total	< 0.075	mg/L	0.075	EPA 200.8	9/10/2014 - DS
Cadmium, Total	< 0.075	mg/L	0.075	EPA 200.8	9/10/2014 - DS
Antimony, Total	< 5.0	mg/L	5.00	ICAP	9/17/2014 - MWL
Mercury, Total	< 0.05	mg/L	0.05	EPA 7471	9/17/2014 - MWL
Lead, Total	1.70	mg/L	0.075	EPA 200.8	9/10/2014 - DS

**Notes:**

Report Date: 09/23/14  
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