

Wolf Creek Ranch

Food Grade Diatomaceous Earth Analysis

| Mineral | PPM | % Composite | Mineral | PPM | % Composite |
|-------------------|--------|-------------|--------------------------|-------|--------------------|
| Calcium | 1300 | 0.13 | Vanadium | 4 | 0.0004 |
| Magnesium | 750.67 | 0.075067 | Germanium | 2 | 0.0002 |
| Potassium | 478 | 0.0478 | Cadium | 1 | 0.0001 |
| Copper | 4 | 0.0004 | Lead | 5 | 0.0005 |
| Zinc | 5.33 | 0.000533 | Aluminum | 1100 | 0.1100 |
| Iron | 950 | 0.0950 | Arsenic | 0 | 0 |
| Phosphorous | 76 | 0.0076 | Lithium | 3 | 0.0003 |
| Selenium | 2 | 0.0002 | Stronium | 20 | 0.002 |
| Silicon (Soluble) | 21.67 | 0.002167 | Barium | 11.33 | 0.001133 |
| Boron | 7 | 0.0007 | Gold | 0.067 | 0.000067 |
| Maganese | 32.33 | 0.003233 | Telurium | 0 | 00 |
| Chromium | 2.33 | 0.000233 | Thalium | 0 | 0 |
| Cobalt | 5.67 | 0.000567 | Beryllium | 0.05 | 0.000005 |
| Tin | 3.67 | 0.000367 | Bismuth | 0 | 0 |
| Nickel | 2.33 | 0.000233 | Total Acid Soluble | | 0.5470117 |
| Molybdenum | 0.67 | 0.000067 | Acid Insoluble Matrix | | 99.4529883* |
| | | | | | |
| | | | Total Composition | | 100.0000000 |

*** Note: Difference from Acid Solutes. Purity of the Diatomaceous Earth was confirmed by MALDI mass spectrometry, indicating that the material is virtually free from any other form of contamination.**

MALDI is a technique in which the matrix is used to assist ionization of molecules on the surface of the material, caused by a blast from a UV Laser. This analysis confirms purity and suggests that even the above listed trace elements are not readily ionized and volatilized from the surface.

**Cordially,
 Galen D. Knight, Ph.D.
 President, Vitale Therapeutics, Inc.
 3205 Arizona NE, Albuquerque, NM 87110 USA
 voice: (505)884-8644
 website: www.VitaleTherapeutics.org**