# ADVANCED FULVIC MICRONUTRIENTS

## TEAC ANTIOXIDANT TEST RESULTS

## MLG-50™ NUTRACEUTICAL POWDER

A concentrated molecular complex that contains catechin antioxidants from organic acids, trace elements, and minerals plus electrolytes. These properties are found in fruit, nuts and seeds, vegetables, and herbs.

### MLG-50 is the leading fulvic mineral powder:

- Made in the U.S.A.
- 100% soluble
- Pleasant flavor and aroma profile
- Concentrated nutraceutical extract
- Vegan
- Non-GMO
- Gluten and allergen free

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## MLG-50 Products

| | ***Product Number*** |
|---|---|
| MLG-50 Fulvic Mineral Powder | HHFMP8090120 |
| MLG-50 Fulvic Mineral Liquid Concentrate* | HHD30FA104 |
| MLG-A50 Alkaline Fulvic Acid Liquid Concentrate* | HHAK10FA100 |
| MLG-50 Lite Fulvic Mineral Liquid Concentrate* | HHD50 |

February 20, 2021

Announcing new data results from Medallion Laboratories measuring the antioxidant activity in MLG-50™ Fulvic Mineral Nutraceutical Powder using the standard antioxidant test TEAC (Trolox equivalent antioxidant capacity).

The TEAC assay is often used to measure the antioxidant capacity of foods, beverages and nutritional supplements. The Trolox equivalent antioxidant capacity (TEAC) was determined for MLG-50 by FDA-certified Medallion Laboratories.

The antioxidant capacity of MLG-50 was found to be **1000 times, on average, greater antioxidant capacity than fruits or vegetables on a gram/gram basis. For example, 188 times the antioxidant power of blueberries!** These experimental observations suggest that MLG-50 has significant antioxidant activity.

Another way to look at this is 100 mg of MLG-50 (the recommended daily serving amount) has the approximate antioxidant equivalence to an 18,800 mg serving of blueberries or 17,300 mg serving of pomegranate.

**Stability | High Functioning | Meets Purity & Organic Standards**
**Superior Track Record | Economical**

Our fulvic powder is a stable, reliable source to boost the anti-inflammatory and antioxidant properties of beverages, functional foods, herbal formulations, or cosmetics. MLG-50 is versatile, nearly twenty years on the market, safe, non-allergenic and non-toxic. Its properties are found in the worldwide food supply. It is higher in fulvic acid but lower in cost compared to alternative fulvic acid powders. MLG-50 is both lipid and water soluble; a prehistoric humate extraction, sourced sustainably and manufactured in the USA.

Table 1 below shows the TEAC measurement for MLG-50 as well as the antioxidant capacity of common fruits and vegetables. The far-right column is a comparison of MLG-50 to these fruits and vegetables on a gram per gram (g/g) basis.

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Table 1. Trolox Equivalence Antioxidant Capacity (TEAC) of MLG-50 Fulvic Powder as Compared to Fruits and Vegetables. Testing by: Medallion Labs.

Using the Daily recommended serving of 100 milligrams.

| Source | mM TEAC/kg[a] | g/g[b] |
|---|---|---|
| MLG-50 Fulvic Acid Nutraceutical Powder | 1400 | Baseline |
| Orange | 8.74 | MLG-50 is 160 times greater |
| Pomegranate | 8.10 | MLG-50 is 173 times greater |
| Blueberry | 7.43 | MLG-50 is 188 times greater |
| Asparagus | 3.92 | MLG-50 is 357 times greater |
| Zucchini | 2.86 | MLG-50 is 490 times greater |
| Chicory | 1.86 | MLG-50 is 753 times greater |
| Tomato | 1.65 | MLG-50 is 848 times greater |
| Apple | 1.59 | MLG-50 is 880 times greater |
| Green Beans | 1.27 | MLG-50 is 1102 times greater |
| Cauliflower | 1.10 | MLG-50 is 1273 times greater |
| Watermelon | 0.69 | MLG-50 is 2029 times greater |
| Melon (Honeydew) | 0.65 | MLG-50 is 2154 times greater |
| Banana | 0.64 | MLG-50 is 2188 times greater |

[a]MLG-50 reported in dry weight. Fruits and Vegetables reported in fresh weight.
[b][mM TEAC/ g MLG-50]/[mM TEAC/g Fruit or Vegetable]

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*Disclaimer: The content of this bulletin makes no health claims. MLG-50™ does not treat any disease or illness nor is it a replacement for medical attention. The FDA has not evaluated these statements.*

[1]Pham-Huy LA, He H, Pham-Huy C. Free radicals, antioxidants in disease and health. Int J Biomed Sci. 2008;4(2):89-96. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3614697/

Improving Lives Through Advanced Micronutrients

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