



HAIR TEST: 1217
SEX: Male
AGE: 49

Toxic & Essential Elements; Hair

| TOXIC METALS | | | |
|----------------------------|----------------|-----------------------|---|
| | RESULT µg/g | REFERENCE INTERVAL | PERCENTILE 68 th 95 th |
| Aluminum (Al) | 2.2 | < 7.0 | |
| Antimony (Sb) | < 0.01 | < 0.066 | |
| Arsenic (As) | 0.022 | < 0.080 | |
| Barium (Ba) | 0.56 | < 1.0 | |
| Beryllium (Be) | < 0.01 | < 0.020 | |
| Bismuth (Bi) | 0.008 | < 2.0 | |
| Cadmium (Cd) | 0.013 | < 0.065 | |
| Lead (Pb) | 0.17 | < 0.80 | |
| Mercury (Hg) | 0.19 | < 0.80 | |
| Platinum (Pt) | < 0.003 | < 0.005 | |
| Thallium (Tl) | < 0.001 | < 0.002 | |
| Thorium (Th) | < 0.001 | < 0.002 | |
| Uranium (U) | 0.004 | < 0.060 | |
| Nickel (Ni) | 0.27 | < 0.20 | |
| Silver (Ag) | 0.01 | < 0.08 | |
| Tin (Sn) | 0.06 | < 0.30 | |
| Titanium (Ti) | 0.36 | < 0.60 | |
| Total Toxic Representation | | | |

| ESSENTIAL AND OTHER ELEMENTS | | | | | |
|------------------------------|----------------|-----------------------|---|--|--|
| | RESULT µg/g | REFERENCE INTERVAL | PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th | | |
| Calcium (Ca) | 396 | 200- 750 | | | |
| Magnesium (Mg) | 30 | 25- 75 | | | |
| Sodium (Na) | 13 | 20- 180 | | | |
| Potassium (K) | 6 | 9- 80 | | | |
| Copper (Cu) | 15 | 11- 30 | | | |
| Zinc (Zn) | 200 | 130- 200 | | | |
| Manganese (Mn) | 0.08 | 0.08- 0.50 | | | |
| Chromium (Cr) | 0.39 | 0.40- 0.70 | | | |
| Vanadium (V) | 0.018 | 0.018- 0.065 | | | |
| Molybdenum (Mo) | 0.035 | 0.025- 0.060 | | | |
| Boron (B) | 0.98 | 0.40- 3.0 | | | |
| Iodine (I) | 11 | 0.25- 1.8 | | | |
| Lithium (Li) | 0.007 | 0.007- 0.020 | | | |
| Phosphorus (P) | 145 | 150- 220 | | | |
| Selenium (Se) | 0.94 | 0.70- 1.2 | | | |
| Strontium (Sr) | 0.71 | 0.30- 3.5 | | | |
| Sulfur (S) | 48900 | 44000- 50000 | | | |
| Cobalt (Co) | 0.009 | 0.004- 0.020 | | | |
| Iron (Fe) | 5.5 | 7.0- 16 | | | |
| Germanium (Ge) | 0.029 | 0.030- 0.040 | | | |
| Rubidium (Rb) | 0.008 | 0.011- 0.12 | | | |
| Zirconium (Zr) | 0.094 | 0.020- 0.44 | | | |

| SPECIMEN DATA | | RATIOS | |
|---------------------------|----------------------|----------|----------|
| COMMENTS: | | ELEMENTS | RATIOS |
| Date Collected: 9/9/2012 | Sample Size: 0.195 g | Ca/Mg | 13.2 |
| Date Received: 9/13/2012 | Sample Type: Head | Ca/P | 2.73 |
| Date Completed: 9/18/2012 | Hair Color: Brown | Na/K | 2.17 |
| Methodology: ICP/MS | Treatment: | Zn/Cu | 13.3 |
| | Shampoo: Nexxus | Zn/Cd | > 999 |
| | | RANGE | |
| | | | 4 - 30 |
| | | | 0.8 - 8 |
| | | | 0.5 - 10 |
| | | | 4 - 20 |
| | | | > 800 |

Health history for hair test 1217

This test is from September, 2012, a couple of weeks after I started chelation.

• What are your current symptoms and health history?

The worst symptoms were brain fog and fatigue, gradually becoming worse over time. Also: allergies with allergic asthma, many food sensitivities, chemical sensitivity, high cholesterol, anxiety, difficulty sleeping, Candida (probably), and something like ADHD.

I didn't know it at the time but I was becoming anemic.

• Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

I had multiple amalgam fillings from age 9-18, at least one in each molar and in a couple of tricuspsids. Left wisdom teeth removed in 1997. Porcelain crown on molar in 1999. All amalgam fillings replaced in 2005: half removed with no safeguards, the other half removed properly. The first dentist didn't use enough cooling water, and I had 3 root canals on that side of the mouth.

• What dental work do you currently have in place? What part of the dental clean-up have you completed?

I have 4 full crowns and 1 half crown - one gold and the rest porcelain. Several fillings of white composite. No remaining mercury as far as I know.

• What dentistry did your mother have at any time before or during pregnancy?

Mom had a lot of amalgam fillings. No dental work during pregnancy.

• What vaccinations have you had and when (including flu and especially travel shots)?

I don't have a full record of childhood vaccinations. In 1973 had a full suite of shots for travel through Central America. In 1977 had similar suite of shots. Measles (MMR?) ~1980. A few more 1981. Tetanus in 2005. DTAP in 2015.

• Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

magnesium 450 mg
copper 3 mg
selenium 100 mcg
zinc 60 mg
chromium 200 mcg
molybdenum 100 mcg
manganese 2 mg
boron 3 mg
iodine 60 mg
A 25000 IU
B-50 complex
B12 9000 mcg
B6 100 mg
C 800 mg

D 5000 IU
E 400 IU
K
folate 800 mcg (metafolin)
TMG 600 mg
d-ribose 4 g
biotin 3000 mg
pantethine 300 mg
carnitine 500 mg
lecithin 1 T

• **What is your age, height and weight?**

age at time of test: 49, height: 6'2", weight: 167 lb

• **Other information you feel may be relevant?**

High doses of mineral supplements probably skewed the test results for cobalt, magnesium, zinc, selenium, copper, boron. Without these supps it is likely the hair test would more obviously reflect mercury poisoning.

• **What is your location – city & country (so that we can learn where certain toxins are more prevalent).**

Atlanta, GA, USA