



SEX: Male
AGE: 31

Toxic & Essential Elements; Hair

| TOXIC METALS | | | |
|----------------------------|----------------|-----------------------|---|
| | RESULT µg/g | REFERENCE INTERVAL | PERCENTILE 68 th 95 th |
| Aluminum (Al) | 2.1 | < 7.0 | |
| Antimony (Sb) | 0.012 | < 0.066 | |
| Arsenic (As) | 0.079 | < 0.080 | |
| Barium (Ba) | 0.12 | < 1.0 | |
| Beryllium (Be) | < 0.01 | < 0.020 | |
| Bismuth (Bi) | < 0.002 | < 2.0 | |
| Cadmium (Cd) | < 0.009 | < 0.065 | |
| Lead (Pb) | 0.11 | < 0.80 | |
| Mercury (Hg) | 0.26 | < 0.80 | |
| Platinum (Pt) | < 0.003 | < 0.005 | |
| Thallium (Tl) | < 0.001 | < 0.002 | |
| Thorium (Th) | < 0.001 | < 0.002 | |
| Uranium (U) | 0.035 | < 0.060 | |
| Nickel (Ni) | 0.03 | < 0.20 | |
| Silver (Ag) | < 0.006 | < 0.08 | |
| Tin (Sn) | 0.09 | < 0.30 | |
| Titanium (Ti) | 0.54 | < 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) | 371 | 200- 750 | | | |
| Magnesium (Mg) | 39 | 25- 75 | | | |
| Sodium (Na) | 38 | 20- 180 | | | |
| Potassium (K) | < 3 | 9- 80 | | | |
| Copper (Cu) | 14 | 11- 30 | | | |
| Zinc (Zn) | 210 | 130- 200 | | | |
| Manganese (Mn) | 0.05 | 0.08- 0.50 | | | |
| Chromium (Cr) | 0.33 | 0.40- 0.70 | | | |
| Vanadium (V) | 0.019 | 0.018- 0.065 | | | |
| Molybdenum (Mo) | 0.088 | 0.025- 0.060 | | | |
| Boron (B) | 1.0 | 0.40- 3.0 | | | |
| Iodine (I) | 0.42 | 0.25- 1.8 | | | |
| Lithium (Li) | < 0.004 | 0.007- 0.020 | | | |
| Phosphorus (P) | 278 | 150- 220 | | | |
| Selenium (Se) | 0.60 | 0.70- 1.2 | | | |
| Strontium (Sr) | 0.19 | 0.30- 3.5 | | | |
| Sulfur (S) | 49000 | 44000- 50000 | | | |
| Cobalt (Co) | 0.012 | 0.004- 0.020 | | | |
| Iron (Fe) | 5.5 | 7.0- 16 | | | |
| Germanium (Ge) | 0.027 | 0.030- 0.040 | | | |
| Rubidium (Rb) | 0.003 | 0.011- 0.12 | | | |
| Zirconium (Zr) | 0.009 | 0.020- 0.44 | | | |

| SPECIMEN DATA | | RATIOS | |
|----------------------------|--|-----------------|---------------|
| COMMENTS: | | ELEMENTS | RATIOS |
| Date Collected: 03/09/2015 | | Ca/Mg | 9.51 |
| Date Received: 03/13/2015 | | Ca/P | 1.33 |
| Date Completed: 03/14/2015 | | Na/K | 12.7 |
| Methodology: ICP/MS | | Zn/Cu | 15 |
| Sample Size: 0.196 g | | Zn/Cd | > 999 |
| Sample Type: Head | | | |
| Hair Color: Brown | | | |
| Treatment: | | | |
| Shampoo: Tar Coal | | | |
| | | RANGE | |
| | | 4- 30 | |
| | | 0.8- 8 | |
| | | 0.5- 10 | |
| | | 4- 20 | |
| | | > 800 | |

Hair test 1065

1. What are your current symptoms and health history?

Developmental delays. Fatigue, acne, water retention. brain fog. Torn ligaments at age 22.

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

Wisdom teeth removed at age 19. No root canals. Braces two times at ages 9 and 11.

Had 2 amalgams from age 11 until age 29.

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

Had 2 amalgams removed by biological dentist.

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

No amalgams as far as I am aware.

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

All recommended US vaccines. Was getting annual flu shots for about 6 years straight.

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

zinc 50mg . b vitamins. molybdenum 1000-2000mg daily.

7. What is your age, height and weight?

31, 160lbs, 6ft

8. Other information you feel may be relevant? Grew up in old home after it was remodeled.

Old lead paint was scrapped off right before we moved in. Mom may have been around and even cleaned the old lead paint dust while I was unborn.

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

Chicago IL