



HAIR TEST: 1176
SEX: Female
AGE: 12

Toxic & Essential Elements; Hair

| TOXIC METALS | | | |
|----------------------------|----------------|-----------------------|---|
| | RESULT µg/g | REFERENCE INTERVAL | PERCENTILE 68 th 95 th |
| Aluminum (Al) | 3.8 | < 8.0 | |
| Antimony (Sb) | 0.014 | < 0.066 | |
| Arsenic (As) | 0.028 | < 0.060 | |
| Barium (Ba) | 0.96 | < 1.5 | |
| Beryllium (Be) | < 0.01 | < 0.020 | |
| Bismuth (Bi) | 0.15 | < 2.0 | |
| Cadmium (Cd) | < 0.009 | < 0.060 | |
| Lead (Pb) | 0.03 | < 0.60 | |
| Mercury (Hg) | < 0.03 | < 0.40 | |
| Platinum (Pt) | < 0.003 | < 0.005 | |
| Thallium (Tl) | < 0.001 | < 0.002 | |
| Thorium (Th) | < 0.001 | < 0.002 | |
| Uranium (U) | 0.26 | < 0.060 | |
| Nickel (Ni) | 0.05 | < 0.30 | |
| Silver (Ag) | 0.17 | < 0.18 | |
| Tin (Sn) | 0.12 | < 0.30 | |
| Titanium (Ti) | 0.33 | < 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) | 547 | 350- 1000 | | | |
| Magnesium (Mg) | 40 | 35- 120 | | | |
| Sodium (Na) | 26 | 18- 180 | | | |
| Potassium (K) | 9 | 8- 75 | | | |
| Copper (Cu) | 9.8 | 11- 37 | | | |
| Zinc (Zn) | 150 | 150- 230 | | | |
| Manganese (Mn) | 0.09 | 0.08- 0.60 | | | |
| Chromium (Cr) | 0.35 | 0.40- 0.65 | | | |
| Vanadium (V) | 0.053 | 0.020- 0.075 | | | |
| Molybdenum (Mo) | 0.036 | 0.025- 0.060 | | | |
| Boron (B) | 0.98 | 0.20- 1.2 | | | |
| Iodine (I) | 0.85 | 0.25- 1.3 | | | |
| Lithium (Li) | 0.012 | 0.007- 0.020 | | | |
| Phosphorus (P) | 159 | 150- 220 | | | |
| Selenium (Se) | 0.64 | 0.70- 1.1 | | | |
| Strontium (Sr) | 3.8 | 0.86- 6.2 | | | |
| Sulfur (S) | 42300 | 44000- 50000 | | | |
| Cobalt (Co) | 0.003 | 0.005- 0.040 | | | |
| Iron (Fe) | 7.3 | 7.0- 16 | | | |
| Germanium (Ge) | 0.031 | 0.031- 0.040 | | | |
| Rubidium (Rb) | 0.010 | 0.006- 0.060 | | | |
| Zirconium (Zr) | 0.030 | 0.025- 0.50 | | | |

| SPECIMEN DATA | | RATIOS | |
|----------------------------|----------------------|----------|---------|
| COMMENTS: | | ELEMENTS | RATIOS |
| Date Collected: 03/06/2016 | Sample Size: 0.202 g | Ca/Mg | 13.7 |
| Date Received: 03/11/2016 | Sample Type: Head | Ca/P | 3.44 |
| Date Completed: 03/16/2016 | Hair Color: Brown | Na/K | 2.89 |
| Methodology: ICP/MS | Treatment: | Zn/Cu | 15.3 |
| | Shampoo: L'oreal | Zn/Cd | > 999 |
| | | RANGE | |
| | | | 4- 30 |
| | | | 1- 12 |
| | | | 0.5- 10 |
| | | | 4- 20 |
| | | | > 800 |

Health history for hair test 1176

1. What are your current symptoms and health history?

Good physical health, autistic symptoms such as speech delay, auditory processing disorder, OCD, anxiety, frequent mood swings and associated flashbacks

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

No dental work

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

No dental work

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

We Cannot recall

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

I will try to get more specific on the childhood vaccines but she had the MMR and all recommend shots at birth, no follow up shots after first couple of years No flu shots or travel shots ever for her or for mother during pregnancy

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

Risperidone, 6-7mg per day
Fluvoxamine 50 mg per day
Prazosin 2 mg per day
Aqua flora for yeast
Probiotics
Turmeric
Krill oil
Variety of Essential oils

7. What is your age, height and weight?

12 years old, 59 inches, 96 lbs

8. Other information you feel may be relevant?

Mother had Rogain shot during pregnancy of 1st child and then during pregnancy with Natalie the second child

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

lived in Laguna Niguel, CA 92677 since 1998, prior to that mother lived in NYC for a few years which was prior to pregnancy