



HAIR TEST 1025
SEX: Female
AGE: 40

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.9	< 7.0	
Antimony (Sb)	0.056	< 0.050	
Arsenic (As)	0.033	< 0.060	
Barium (Ba)	0.60	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.005	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.04	< 0.60	
Mercury (Hg)	0.06	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.051	< 0.060	
Nickel (Ni)	0.05	< 0.30	
Silver (Ag)	0.01	< 0.15	
Tin (Sn)	0.02	< 0.30	
Titanium (Ti)	0.33	< 0.70	
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)	356	300- 1200			
Magnesium (Mg)	40	35- 120			
Sodium (Na)	190	20- 250			
Potassium (K)	150	8- 75			
Copper (Cu)	9.3	11- 37			
Zinc (Zn)	170	140- 220			
Manganese (Mn)	0.04	0.08- 0.60			
Chromium (Cr)	0.34	0.40- 0.65			
Vanadium (V)	0.027	0.018- 0.065			
Molybdenum (Mo)	0.028	0.020- 0.050			
Boron (B)	1.6	0.25- 1.5			
Iodine (I)	0.26	0.25- 1.8			
Lithium (Li)	0.047	0.007- 0.020			
Phosphorus (P)	162	150- 220			
Selenium (Se)	0.80	0.55- 1.1			
Strontium (Sr)	2.5	0.50- 7.6			
Sulfur (S)	45000	44000- 50000			
Cobalt (Co)	0.002	0.005- 0.040			
Iron (Fe)	5.0	7.0- 16			
Germanium (Ge)	0.034	0.030- 0.040			
Rubidium (Rb)	0.18	0.007- 0.096			
Zirconium (Zr)	0.031	0.020- 0.42			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 09/11/2015	Sample Size: 0.197 g	Ca/Mg	8.9	4- 30
Date Received: 09/16/2015	Sample Type: Head	Ca/P	2.2	1- 12
Date Completed: 09/18/2015	Hair Color: Brown	Na/K	1.27	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	18.3	4- 20
	Shampoo: Giovanni	Zn/Cd	> 999	> 800

Health history for hair test 1025

1. What are your current symptoms and health history?

This hair test belongs to my sister. I'm answering these questions on her behalf because her health has deteriorated to the point where she rarely moves or speaks. In the beginning of August, she began having tingling sensations all over her body and felt light-headed each time she had the tingling sensations. These symptoms happened on and off for 3 weeks. On August 22nd, she went to urgent care for these symptoms and was told it was anxiety. On August 23rd, the tingling sensations had not gone away and she now had pressure in her head. She went to the emergency room. After running various tests, they told her nothing was wrong with her. The tingling sensations and pressure in her head continued and she returned to the emergency room on August 25th. They ran the same tests and found nothing wrong with her. They referred her to an internist, who she saw on August 28th. The internist told her she had either a virus or infection in her brain, there was no test to confirm this diagnosis, and she would be fine in a couple of weeks. From August 29th to September 1st, she laid in bed on her back, never moving, stiff as a board, her eyes always open, and never slept. She would scream whenever someone touched her and one time when my mom caressed her arm, she whispered "that hurts". Each day she progressively got worse. By August 31st, she was no longer eating, drinking, or speaking. My parents called 911 on August 31st for her to be taken to the hospital. The fire department arrived, but would not take her to the hospital because her vitals were fine. They said it was "mental" and she would snap out of it. They called 911 again on September 1st. The fire department came and took her to the hospital where she was admitted to ICU. They did a blood test, urine test, CAT scan, and spinal tap. Everything came back fine. They had a psychiatrist evaluate her and he said it was not psychological and ordered an MRI. He believed part of her frontal lobe had been damaged from probably a virus or infection in her brain. The MRI came back fine. She was released from the hospital on September 4th. Since then, she has not left her house. She spends most of her time laying on the sofa, not talking, and barely eating. My mom tries to move her, but my sister makes her body so stiff that my mom is afraid she's going to break her bones. Other symptoms she currently has is inability to concentrate, inability to make decisions, fears, anxieties, withdrawal, hallucinations, depression, severe menstrual cramps, TMJ, cold and clammy skin, night sweats, cold hands and feet, and insomnia.

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

Wisdom teeth removed approximately 1992. Braces from approximately 1992 to 1995. No extractions or root canals. One amalgam prior to 1995. No dental work since 1995.

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

One amalgam filling. Have not started dental clean-up.

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

She had many amalgam fillings before and during her pregnancy.

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

Td: 3 doses in 1975, 1 dose in 1976, 1 dose in 1980, 1 dose in 1985

Polio: 3 doses in 1975, 1 dose in 1976, 1 dose in 1980

MMR: 1 dose in 1975, 1 dose in 1992

No flu or travel shots.

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

Daily: Vitamin A 2,500 iu, Vitamin C 560 mg, Vitamin D3 2,000 iu, Vitamin E 422.5 iu, Vitamin K 25 mcg, Omega 3 1,000 mg, Selenium 20 mcg, Zinc 15 mg, Magnesium 550 mg, Copper 2 mg, Folic Acid 800 mcg, CoQ10 100 mg, Niacinamide 60 mg, Calcium 500 mg, Iron 18 mg, Biotin 80 mcg, Chromium 120 mcg, Pantothenic Acid 5 mg, B1 51.5 mg, B2 51.7 mg, B6 52 mg, B12 56 mcg

Occasionally: Advil

Sept. 5-9: Cefdinir 300mg (antibiotic for catheter that was taken out)

7. What is your age, height and weight?

40 yrs, 5'6", 130lbs

8. Other information you feel may be relevant?

none

9. What is your location – city & country

Phoenix, AZ