

HAIR ELEMENTS



PATIENT: Number 249
 SEX: Female
 AGE: 34
 LOCATION: Near Toledo, OH, USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	8.2	< 7.0	[Bar chart showing result at 68th percentile]	
Antimony	0.036	< 0.050	[Bar chart showing result at 68th percentile]	
Arsenic	0.012	< 0.060	[Bar chart showing result at 68th percentile]	
Barium	2.0	< 2.0	[Bar chart showing result at 68th percentile]	
Beryllium	< 0.01	< 0.020	[Bar chart showing result at 68th percentile]	
Bismuth	0.023	< 2.0	[Bar chart showing result at 68th percentile]	
Cadmium	0.060	< 0.050	[Bar chart showing result at 68th percentile]	
Lead	0.17	< 0.60	[Bar chart showing result at 68th percentile]	
Mercury	0.49	< 0.80	[Bar chart showing result at 68th percentile]	
Platinum	< 0.003	< 0.005	[Bar chart showing result at 68th percentile]	
Thallium	< 0.001	< 0.002	[Bar chart showing result at 68th percentile]	
Thorium	0.001	< 0.002	[Bar chart showing result at 68th percentile]	
Uranium	0.003	< 0.060	[Bar chart showing result at 68th percentile]	
Nickel	0.35	< 0.30	[Bar chart showing result at 68th percentile]	
Silver	0.02	< 0.15	[Bar chart showing result at 68th percentile]	
Tin	0.17	< 0.30	[Bar chart showing result at 68th percentile]	
Titanium	0.89	< 0.70	[Bar chart showing result at 68th percentile]	
Total Toxic Representation			[Bar chart showing result at 68th percentile]	

ESSENTIAL AND OTHER ELEMENTS					
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE		
			2.5 th	16 th	50 th
Calcium	5370	300- 1200	[Bar chart showing result at 97.5th percentile]		
Magnesium	250	35- 120	[Bar chart showing result at 97.5th percentile]		
Sodium	100	20- 250	[Bar chart showing result at 97.5th percentile]		
Potassium	12	8- 75	[Bar chart showing result at 97.5th percentile]		
Copper	18	11- 37	[Bar chart showing result at 97.5th percentile]		
Zinc	210	140- 220	[Bar chart showing result at 97.5th percentile]		
Manganese	0.15	0.08- 0.60	[Bar chart showing result at 97.5th percentile]		
Chromium	0.30	0.40- 0.65	[Bar chart showing result at 97.5th percentile]		
Vanadium	0.037	0.018- 0.065	[Bar chart showing result at 97.5th percentile]		
Molybdenum	0.029	0.020- 0.050	[Bar chart showing result at 97.5th percentile]		
Boron	1.4	0.25- 1.5	[Bar chart showing result at 97.5th percentile]		
Iodine	1.3	0.25- 1.8	[Bar chart showing result at 97.5th percentile]		
Lithium	0.010	0.007- 0.020	[Bar chart showing result at 97.5th percentile]		
Phosphorus	172	150- 220	[Bar chart showing result at 97.5th percentile]		
Selenium	0.93	0.55- 1.1	[Bar chart showing result at 97.5th percentile]		
Strontium	17	0.50- 7.6	[Bar chart showing result at 97.5th percentile]		
Sulfur	44700	44000- 50000	[Bar chart showing result at 97.5th percentile]		
Cobalt	0.016	0.005- 0.040	[Bar chart showing result at 97.5th percentile]		
Iron	5.7	7.0- 16	[Bar chart showing result at 97.5th percentile]		
Germanium	0.032	0.030- 0.040	[Bar chart showing result at 97.5th percentile]		
Rubidium	0.012	0.007- 0.096	[Bar chart showing result at 97.5th percentile]		
Zirconium	0.20	0.020- 0.42	[Bar chart showing result at 97.5th percentile]		

SPECIMEN DATA		RATIOS		
COMMENTS: 0169485				
Date Collected: 1/12/2009	Sample Size: 0.195 g	ELEMENTS	RATIOS	EXPECTED RANGE
Date Received: 1/20/2009	Sample Type: Head	Ca/Mg	21.5	4- 30
Date Completed: 1/21/2009	Hair Color:	Ca/P	31.2	1- 12
Methodology: ICP-MS	Treatment:	Na/K	8.33	0.5- 10
	Shampoo:	Zn/Cu	11.7	4- 20
		Zn/Cd	> 999	> 800

V10.08

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Health history for hair test 249

I'm a mother of hair test #229.

1) What are your current symptoms and health history?

Multiple allergies, food allergies, blood sugar problems (I eat small frequent meals high in protein), candida overgrowth, some ADD symptoms (a lot were alleviated after eliminating yeast overgrowth). Minor tactile sensory issues - hate tags on clothes, non-cotton clothes, slight touch bothers me, etc.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

One wisdom tooth removed (only developed 1) about 10 years ago. First amalgam placed when I was very young. I had 8 of them placed at once when I was a teenager. This is about when my sensory problems started. No braces.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

I get cleanings done 3 times a year due to gum recession. I had 7 amalgams that needed to be replaced. I grind my teeth at night, so I wear a nightguard.

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

Not sure, but she has mouthful of metals now, so I'm sure she had several amalgams.

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

All childhood vaccines, no recent flu shots, 6 allergy shots twice a week for about 6 mths (about 7 years ago).

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

VitaminShoppe brand once a day multi-vitamin.

Cal (500mg) / mag (250mg) / zinc (15mg) supplement once a day. Not a huge dairy eater.

500mcg B12 (cyano) sublingual once a day.

I took hair sample from the ends of my hair as I'm now taking at least a dozen supplements.

7) Other information you feel may be relevant?

I may have miscalculated how fast my hair grows. I was on Adderall for 6 mths which seemed to have caused a bit of calcium, potassium, and protein deficiencies (blood test). Magnesium wasn't tested. I thought the ends of my hair would've been before I started Adderall, but it may not be.

I don't dye or treat my hair. I don't eat processed cheese but do use antiperspirant that contains aluminum in the summer only.

I don't smoke but used to smoke about 15 years ago

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

Near Toledo, OH, USA