

# Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	1.5	< 7.0	
Antimony (Sb)	0.20	< 0.066	
Arsenic (As)	0.097	< 0.080	
Barium (Ba)	0.74	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.014	< 2.0	
Cadmium (Cd)	0.021	< 0.065	
Lead (Pb)	0.27	< 0.80	
Mercury (Hg)	0.13	< 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)	0.04	< 0.20	
Silver (Ag)	0.05	< 0.08	
Tin (Sn)	0.12	< 0.30	
Titanium (Ti)	0.59	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>
Calcium (Ca)	349	200- 750	
Magnesium (Mg)	46	25- 75	
Sodium (Na)	620	20- 180	
Potassium (K)	78	9- 80	
Copper (Cu)	14	11- 30	
Zinc (Zn)	200	130- 200	
Manganese (Mn)	0.13	0.08- 0.50	
Chromium (Cr)	0.58	0.40- 0.70	
Vanadium (V)	0.091	0.018- 0.065	
Molybdenum (Mo)	0.035	0.025- 0.060	
Boron (B)	1.1	0.40- 3.0	
Iodine (I)	0.67	0.25- 1.8	
Lithium (Li)	0.007	0.007- 0.020	
Phosphorus (P)	144	150- 220	
Selenium (Se)	1.0	0.70- 1.2	
Strontium (Sr)	1.4	0.30- 3.5	
Sulfur (S)	49300	44000- 50000	
Cobalt (Co)	0.007	0.004- 0.020	
Iron (Fe)	6.3	7.0- 16	
Germanium (Ge)	0.034	0.030- 0.040	
Rubidium (Rb)	0.046	0.011- 0.12	
Zirconium (Zr)	0.053	0.020- 0.44	

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>
Date Collected: 10/6/2011	Sample Size: 0.2 g	Ca/Mg	7.59
Date Received: 10/8/2011	Sample Type: Head	Ca/P	2.42
Date Completed: 10/11/2011	Hair Color: Blond	Na/K	7.95
Methodology: ICP/MS	Treatment:	Zn/Cu	14.3
	Shampoo: Aubrey	Zn/Cd	> 999
		<b>RANGE</b>	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

## Health history for hair test 555

1. My current symptoms are chronic fatigue, dizziness, forgetfulness, and confusion. I had RSV as an infant. Over the span of a few years, I had multiple surgeries. I've had a number of vaccinations during my lifetime. I had a benign brain tumor removed in 2005. I also had asthma early on in my childhood, but not much recently. I took numerous anti-depressant and anti-anxiety medications.
2. As for dental history, I've had a number cavities over the years. I had braces for about 5 years. I had a dental revision in May of 2011 to remove amalgams in my mouth. I probably had my first amalgam in 5<sup>th</sup> grade.
3. I had the dental revision and I'm currently in the process of chelating.
4. She had all her amalgams when she was pregnant with me. Maybe even had braces when she was pregnant with me.
5. I had the typical vaccinations when I was born in 1987 all the way through high school. I had tetanus, Hepatitis B,
6. Supplements taken during time of and before hair test : NOW Vitamin C-1000 Antioxidant Protection. Livermate one pill a day. Eaters digest, two pills a day. Milk Thistle X- 360 mg a day. Pure Vitamin D 5,000 I.U. two capsules daily. Similase GFCE- Three capsules daily. Zinc 50 mg daily. Ubiquinol-QH 100 mg daily. NOW E-1000, 1000mg daily. Transmix with Calcium- three pill daily, 702 mg daily. Lypo-spheric Vitamin C, 1,000 mg daily.
7. n/a
8. I live in the East Central part of Illinois.