



HAIRTEST: 1189

SEX: Male

AGE: 33

*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)	0.027	< 0.066	
Arsenic (As)	0.044	< 0.080	
Barium (Ba)	0.98	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.079	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.10	< 0.80	
Mercury (Hg)	3.1	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.059	< 0.060	
Nickel (Ni)	0.02	< 0.20	
Silver (Ag)	0.05	< 0.08	
Tin (Sn)	0.17	< 0.30	
Titanium (Ti)	0.24	< 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)	464	200- 750					
Magnesium (Mg)	70	25- 75					
Sodium (Na)	40	20- 180					
Potassium (K)	5	9- 80					
Copper (Cu)	14	11- 30					
Zinc (Zn)	160	130- 200					
Manganese (Mn)	0.11	0.08- 0.50					
Chromium (Cr)	0.46	0.40- 0.70					
Vanadium (V)	0.033	0.018- 0.065					
Molybdenum (Mo)	0.036	0.025- 0.060					
Boron (B)	2.0	0.40- 3.0					
Iodine (I)	9.0	0.25- 1.8					
Lithium (Li)	< 0.004	0.007- 0.020					
Phosphorus (P)	153	150- 220					
Selenium (Se)	0.63	0.70- 1.2					
Strontium (Sr)	4.5	0.30- 3.5					
Sulfur (S)	47100	44000- 50000					
Cobalt (Co)	0.004	0.004- 0.020					
Iron (Fe)	7.0	7.0- 16					
Germanium (Ge)	0.033	0.030- 0.040					
Rubidium (Rb)	0.005	0.011- 0.12					
Zirconium (Zr)	0.19	0.020- 0.44					

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>	<b>RANGE</b>
Date Collected: 04/20/2016	Sample Size: 0.103 g	Ca/Mg	6.63	4- 30
Date Received: 04/23/2016	Sample Type: Head	Ca/P	3.03	0.8- 8
Date Completed: 04/27/2016	Hair Color:	Na/K	8	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	11.4	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

## **Hair Test 1189**

1) Headaches, brain fog, short term memory loss, blurred vision, weight loss, food sensitivity, fatigue, loss of cognitive abilities  
amalgam safely removed in January. No further amalgams.

2) Wisdom teeth removed at 19, First and only amalgam as teenager, removed safely in January

5) Many vaccinations as child (flu)

6) vitamin c 3g, zinc 75mg, magnesium 400mg, vitamin b, vitamin a, milk thistle, omega 3 fish oil, probiotics

7) 34, 6' 155

9) San Diego CA