



HAIR TEST: 1358  
SEX: Male  
AGE: 41

*Toxic & Essential Elements; Hair*

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	0.8	< 7.0	
Antimony (Sb)	< 0.01	< 0.066	
Arsenic (As)	0.031	< 0.080	
Barium (Ba)	0.13	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.19	< 0.80	
Mercury (Hg)	0.12	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.002	< 0.060	
Nickel (Ni)	0.03	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.23	< 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)	249	200- 750			
Magnesium (Mg)	34	25- 75			
Sodium (Na)	3	20- 180			
Potassium (K)	3	9- 80			
Copper (Cu)	9.7	11- 30			
Zinc (Zn)	180	130- 200			
Manganese (Mn)	0.04	0.08- 0.50			
Chromium (Cr)	0.35	0.40- 0.70			
Vanadium (V)	0.021	0.018- 0.065			
Molybdenum (Mo)	0.021	0.025- 0.060			
Boron (B)	0.91	0.40- 3.0			
Iodine (I)	0.54	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	192	150- 220			
Selenium (Se)	0.54	0.70- 1.2			
Strontium (Sr)	0.26	0.30- 3.5			
Sulfur (S)	47000	44000- 50000			
Cobalt (Co)	< 0.002	0.004- 0.020			
Iron (Fe)	5.6	7.0- 16			
Germanium (Ge)	0.031	0.030- 0.040			
Rubidium (Rb)	< 0.003	0.011- 0.12			
Zirconium (Zr)	0.061	0.020- 0.44			

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 09/24/2017	Sample Size: 0.202 g	Ca/Mg	7.32
Date Received: 09/27/2017	Sample Type: Head	Ca/P	1.3
Date Completed: 09/28/2017	Hair Color:	Na/K	1
Methodology: ICP/MS	Treatment:	Zn/Cu	18.6
	Shampoo: Faith In Nature	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800