



SEX: Male
AGE: 37

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	20	< 12	
Antimony (Sb)	0.025	< 0.080	
Arsenic (As)	0.054	< 0.12	
Barium (Ba)	0.40	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	< 0.002	< 2.0	
Cadmium (Cd)	0.024	< 0.065	
Lead (Pb)	1.2	< 1.5	
Mercury (Hg)	0.16	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.012	< 0.060	
Nickel (Ni)	0.51	< 0.40	
Silver (Ag)	0.17	< 0.10	
Tin (Sn)	0.16	< 0.30	
Titanium (Ti)	0.34	< 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)	341	375- 1100	
Magnesium (Mg)	21	40- 140	
Sodium (Na)	91	60- 400	
Potassium (K)	52	28- 160	
Copper (Cu)	14	11- 32	
Zinc (Zn)	180	120- 200	
Manganese (Mn)	0.13	0.15- 0.65	
Chromium (Cr)	0.43	0.40- 0.70	
Vanadium (V)	0.018	0.018- 0.065	
Molybdenum (Mo)	0.032	0.040- 0.080	
Boron (B)	0.32	0.40- 2.5	
Iodine (I)	0.18	0.25- 1.8	
Lithium (Li)	0.013	0.008- 0.030	
Phosphorus (P)	183	200- 300	
Selenium (Se)	1.0	0.80- 1.3	
Strontium (Sr)	0.41	1.0- 6.0	
Sulfur (S)	47900	41000- 47000	
Cobalt (Co)	0.009	0.006- 0.035	
Iron (Fe)	6.6	7.0- 16	
Germanium (Ge)	0.027	0.030- 0.040	
Rubidium (Rb)	0.058	0.030- 0.25	
Zirconium (Zr)	0.023	0.040- 1.0	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 09/30/2014		Ca/Mg	16.2
Date Received: 10/02/2014		Ca/P	1.86
Date Completed: 10/03/2014		Na/K	1.75
Methodology: ICP/MS		Zn/Cu	12.9
Sample Size: 0.201 g	Sample Type: Pubic	Zn/Cd	> 999
Hair Color: Brown	Treatment:		
Shampoo: Attitude			
		RANGE	
		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

Health history for hair test 1013

Male, 37-years old, Birmingham, England.

Symptoms: restless leg syndrome, OCD, anxiety, piles, dysbiosis, drooping eyelid