

Toxic & Essential Elements; Hair

Saw Palmetto

TOXIC METALS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE		
			68 th	95 th	
Aluminum (Al)	2.6	< 7.0	A1298C caps		
Antimony (Sb)	0.017	< 0.066			
Arsenic (As)	0.035	< 0.080			
Barium (Ba)	0.92	< 1.0	PS/PE/PC + DHA		
Beryllium (Be)	< 0.01	< 0.020			
Bismuth (Bi)	0.007	< 2.0			
Cadmium (Cd)	0.014	< 0.065			
Lead (Pb)	0.13	< 0.80			
Mercury (Hg)	0.58	< 0.80	ESTA 50sp in shower + pin Metal Analy		
Platinum (Pt)	< 0.003	< 0.005			
Thallium (Tl)	< 0.001	< 0.002			
Thorium (Th)	< 0.001	< 0.002			
Uranium (U)	0.007	< 0.060			
Nickel (Ni)	0.08	< 0.20			
Silver (Ag)	0.02	< 0.08			
Tin (Sn)	0.07	< 0.30			
Titanium (Ti)	0.44	< 0.60			
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)	422	200- 750					
Magnesium (Mg)	120	25- 75					
Sodium (Na)	27	20- 180					
Potassium (K)	7	9- 80	+ for carb				
Copper (Cu)	11	11- 30					
Zinc (Zn)	190	130- 200					
Manganese (Mn)	0.19	0.08- 0.50					
Chromium (Cr)	0.33	0.40- 0.70	Wash for "All in One" Urban				
Vanadium (V)	0.014	0.018- 0.065					
Molybdenum (Mo)	0.044	0.025- 0.060					
Boron (B)	1.7	0.40- 3.0					
Iodine (I)	1.4	0.25- 1.8					
Lithium (Li)	0.004	0.007- 0.020	Bz Cd in spray work with your doctor on list w/ a note				
Phosphorus (P)	168	150- 220					
Selenium (Se)	0.76	0.70- 1.2					
Strontium (Sr)	1.3	0.30- 3.5					
Sulfur (S)	48500	44000- 50000					
Cobalt (Co)	0.005	0.004- 0.020	BEFORE adding B				
Iron (Fe)	8.2	7.0- 16					
Germanium (Ge)	0.028	0.030- 0.040	Also wash hair new "All in One"				
Rubidium (Rb)	0.013	0.011- 0.12					
Zirconium (Zr)	0.068	0.020- 0.44					

COMMENTS:	SPECIMEN DATA		RATIOS		
	ELEMENTS	RATIOS	RANGE		
Date Collected: 06/02/2013	Ca/Mg	3.52	4- 30		
Date Received: 06/06/2013	Ca/P	2.51	0.8- 8		
Date Completed: 06/08/2013	Na/K	3.86	0.5- 10		
Methodology: ICP/MS	Zn/Cu	17.3	4- 20		
	Zn/Cd	> 999	> 800		

Date Collected: 06/02/2013
 Date Received: 06/06/2013
 Date Completed: 06/08/2013
 Methodology: ICP/MS

Sample Size: 0.196 g
 Sample Type: Head
 Hair Color: Brown
 Treatment:
 Shampoo: Soap

ELEMENTS	RATIOS	RANGE
Ca/Mg	3.52	4- 30
Ca/P	2.51	0.8- 8
Na/K	3.86	0.5- 10
Zn/Cu	17.3	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 790

1. Fatigue, brain fog, adrenal fatigue
2. Wisdom Teeth removed 18yo, 1 amalgam 30-36yo.
3. Currently 4 composite fillings
4. Not known
5. All required vaccinations for a kid born in 1975. Flu shot 4-5 times. 2007 had multiple recommended vaccines for a trip to Asia.
6. I had been taking ALA (2 months) and spirulina (2 years) before I knew anything about chelation. Vit D, C, B, Cal-Mag, NAC
7. 37yo, 6'2", 180lbs
8. –
9. Atlanta, USA