

HAIR ELEMENTS



Lab # 7125001

SEX: Female
AGE: 33

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.3	< 7.0	█	
Antimony	0.017	< 0.050	█	
Arsenic	0.050	< 0.060	██████████	
Beryllium	< 0.01	< 0.020		
Bismuth	0.025	< 0.10	█	
Cadmium	0.11	< 0.10	██████████	
Lead	0.38	< 1.0	██████	
Mercury	0.10	< 1.1	█	
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.003	< 0.060	█	
Nickel	0.08	< 0.40	██	
Silver	0.04	< 0.15	██	
Tin	0.24	< 0.30	██████████	
Titanium	0.50	< 1.0	██████	
Total Toxic Representation			██████████	

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	1010	300- 1200			██████████		
Magnesium	130	35- 120			██████████		
Sodium	80	12- 90			██████████		
Potassium	25	8- 38			██████████		
Copper	15	12- 35			█		
Zinc	290	140- 220			██████████		
Manganese	0.19	0.15- 0.65		██████████			
Chromium	0.33	0.20- 0.40			██████████		
Vanadium	0.028	0.018- 0.065			██		
Molybdenum	0.051	0.028- 0.056			██████████		
Boron	2.8	0.30- 2.0			██████████		
Iodine	0.43	0.25- 1.3			██████████		
Lithium	0.009	0.007- 0.023			██████████		
Phosphorus	258	160- 250			██████████		
Selenium	1.6	0.95- 1.7			██████████		
Strontium	2.6	0.50- 7.6			█		
Sulfur	51700	44500- 52000			██████████		
Barium	1.1	0.26- 3.0			█		
Cobalt	0.013	0.013- 0.050		██████████			
Iron	12	5.4- 14			██████████		
Germanium	0.026	0.045- 0.065	██████████				
Rubidium	0.023	0.007- 0.096			█		
Zirconium	0.046	0.020- 0.42			██████████		

SPECIMEN DATA

COMMENTS:

Date Collected: 1/25/2007
Date Received: 1/29/2007
Date Completed: 2/2/2007

Sample Size: 0.194 g
Sample Type: Head
Hair Color: Black
Treatment:
Shampoo:

Methodology: ICP-MS

V06.09

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	7.77	4- 30
Ca/P	3.91	1- 12
Na/K	3.2	0.5- 10
Zn/Cu	19.3	4- 20
Zn/Cd	> 999	> 800