

HAIR ELEMENTS



PATIENT: Number 273

SEX: Male

AGE: 43

LOCATION: Philadelphia, PA United States

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.5	< 7.0		
Antimony	0.015	< 0.066		
Arsenic	0.038	< 0.080		
Barium	0.25	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.096	< 2.0		
Cadmium	0.009	< 0.065		
Lead	0.06	< 0.80		
Mercury	0.14	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.16	< 0.060		
Nickel	0.09	< 0.20		
Silver	0.02	< 0.08		
Tin	0.02	< 0.30		
Titanium	0.52	< 0.60		
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	426	200– 750					
Magnesium	32	25– 75					
Sodium	10	20– 180					
Potassium	< 3	9– 80					
Copper	16	11– 30					
Zinc	230	130– 200					
Manganese	0.07	0.08– 0.50					
Chromium	0.32	0.40– 0.70					
Vanadium	0.034	0.018– 0.065					
Molybdenum	0.020	0.025– 0.060					
Boron	0.42	0.40– 3.0					
Iodine	4.8	0.25– 1.8					
Lithium	< 0.004	0.007– 0.020					
Phosphorus	166	150– 220					
Selenium	0.74	0.70– 1.2					
Strontium	1.7	0.30– 3.5					
Sulfur	44700	44000– 50000					
Cobalt	0.003	0.004– 0.020					
Iron	5.8	7.0– 16					
Germanium	0.023	0.030– 0.040					
Rubidium	0.004	0.011– 0.12					
Zirconium	0.13	0.020– 0.44					

SPECIMEN DATA

COMMENTS:

Date Collected: 2/22/2009

Date Received: 2/26/2009

Date Completed: 2/28/2009

Client Reference:

Methodology: ICP-MS

Sample Size: 0.2 g

Sample Type: Head

Hair Color: Brown

Treatment:

Shampoo: Whole Foods

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	13.3	4– 30
Ca/P	2.57	0.8– 8
Na/K	3.33	0.5– 10
Zn/Cu	14.4	4– 20
Zn/Cd	> 999	> 800

Health history 273

My health history is as follows:

My main complaints are sinus issues and lack of energy and mild depression.

I have suffered mainly from sinus infections strep throat and respiratory type infections I also had Mono as a teen.

When I was younger I had allergies.

This past January I had all 6 of my amalgams removed that I have had since childhood.

I had the normal vaccines as a child and also about 5 years of allergy shots from ages 7-12.

The only supplements I had taken were Omega Rx Fish oil.

I am 43 5'10" 220 lbs.

I am in Philadelphia, PA United States.