

HAIR ELEMENTS



PATIENT: Number 367
SEX: Male
AGE: 9
LOCATION: Los Angeles, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	4.5	< 8.0		
Antimony	0.041	< 0.066		
Arsenic	0.12	< 0.080		
Barium	1.8	< 0.75		
Beryllium	< 0.01	< 0.020		
Bismuth	0.099	< 2.0		
Cadmium	0.010	< 0.070		
Lead	0.75	< 1.0		
Mercury	6.6	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.10	< 0.060		
Nickel	0.14	< 0.20		
Silver	0.02	< 0.14		
Tin	0.09	< 0.30		
Titanium	0.50	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	968	160- 500					
Magnesium	210	12- 50					
Sodium	48	20- 200					
Potassium	11	12- 140					
Copper	13	11- 32					
Zinc	180	110- 190					
Manganese	0.14	0.08- 0.50					
Chromium	0.29	0.40- 0.70					
Vanadium	0.095	0.025- 0.10					
Molybdenum	0.052	0.040- 0.090					
Boron	1.6	0.50- 3.5					
Iodine	0.90	0.25- 1.3					
Lithium	0.017	0.007- 0.020					
Phosphorus	199	150- 220					
Selenium	0.80	0.70- 1.1					
Strontium	7.4	0.21- 2.1					
Sulfur	45600	44000- 51000					
Cobalt	0.020	0.004- 0.020					
Iron	9.8	7.0- 16					
Germanium	0.028	0.030- 0.040					
Rubidium	0.010	0.008- 0.080					
Zirconium	0.070	0.060- 0.70					

SPECIMEN DATA

COMMENTS:
 Date Collected: 4/27/2010 Sample Size: 0.198 g
 Date Received: 5/1/2010 Sample Type: Head
 Date Completed: 5/9/2010 Hair Color: Black
 Client Reference: 1229564 Treatment:
 Methodology: ICP-MS Shampoo: Eo

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	4.61	4- 30
Ca/P	4.86	0.8- 8
Na/K	4.36	0.5- 10
Zn/Cu	13.8	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 367

- 1) My son has asthma, many food allergies, nasal congestion, language and social delays, lethargy, anxiety, sound sensitivity.
- 2) No amalgams. Regular dental cleaning.
- 3) Mother (me) may have had an amalgam filling done while pregnant.
- 4) Had all vaccinations on schedule. No flu vaccines.
- 5) B-6, Multivitamin, Taurine, Probiotics, CoQ10, Brain Vitale (Acetyl L-Carnitine), Vit C, Calcium, Magnesium, Glycine, nebulized Glutathione
- 6) Had done DMSA provocation test in Jan, 2010
- 7) Located in Los Angeles, USA