

HAIR ELEMENTS



PATIENT: Number 489
SEX: Female
AGE: 59
LOCATION: Los Angeles, CA, USA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	2.1	< 7.0		
Antimony	0.023	< 0.050		
Arsenic	0.030	< 0.060		
Barium	0.88	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	4.5	< 2.0		
Cadmium	0.16	< 0.050		
Lead	0.33	< 0.60		
Mercury	0.08	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.71	< 0.060		
Nickel	0.39	< 0.30		
Silver	0.06	< 0.15		
Tin	0.03	< 0.30		
Titanium	0.55	< 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	1630	300- 1200					
Magnesium	140	35- 120					
Sodium	48	20- 250					
Potassium	< 3	8- 75					
Copper	79	11- 37					
Zinc	640	140- 220					
Manganese	0.08	0.08- 0.60					
Chromium	0.42	0.40- 0.65					
Vanadium	0.064	0.018- 0.065					
Molybdenum	0.11	0.020- 0.050					
Boron	1.2	0.25- 1.5					
Iodine	1.1	0.25- 1.8					
Lithium	0.051	0.007- 0.020					
Phosphorus	184	150- 220					
Selenium	0.64	0.55- 1.1					
Strontium	6.4	0.50- 7.6					
Sulfur	48600	44000- 50000					
Cobalt	0.006	0.005- 0.040					
Iron	8.9	7.0- 16					
Germanium	0.034	0.030- 0.040					
Rubidium	0.006	0.007- 0.096					
Zirconium	0.031	0.020- 0.42					

SPECIMEN DATA

COMMENTS:
 Date Collected: 5/25/2011 Sample Size: 0.198 g
 Date Received: 5/31/2011 Sample Type: Head
 Date Completed: 6/5/2011 Hair Color: Brown
 Client Reference: 1279436 Treatment:
 Methodology: ICP-MS Shampoo: Pure Essentials
V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	11.6	4- 30
Ca/P	8.86	1- 12
Na/K	16	0.5- 10
Zn/Cu	8.1	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 489

1) What are your current symptoms and health history?

Brain fog, difficulty concentrating, depression, fatigue, low energy, asthma, hypothyroid(take dessicated thyroid), low adrenals(take hydrocortisone)

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam

etc...)

8 amalgam fillings and braces when teenager, 1980 2 wisdom teeth removed, 1991 gold crown placed **over amalgam filling**

3) What dental work do you currently have in place? What part of the dental cleanup have you

completed? All amalgam fillings and gold crown over amalgam filling have been removed and replaced by biocompatible fillings and crown by IOAMT dentist with the last one removed 5/10/2011.

4) What dentistry did your mother have at any time before or during pregnancy?

Don't know.

5) What vaccinations have you had and when (including flu and especially travel shots)?

Childhood vaccinations

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6

months before the sample was taken.

Vit C 3000, Vit E 400, Multivitamin, Dessicated Thyroid 150 mg, Hydrocortisone 20 mg

7) Other information you feel may be relevant?

Copper was in multivitamin

8) What is your location - city & country (so that we can learn where certain toxins are more

prevalent). Los Angeles, CA, USA