

# HAIR ELEMENTS



**PATIENT: Number 405**  
**SEX: Male**  
**AGE: 66**  
**LOCATION: Southern, New Hampshire, USA**

## POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	4.9	< 7.0		
Antimony	0.068	< 0.066		
Arsenic	0.051	< 0.080		
Barium	1.0	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.015	< 2.0		
Cadmium	0.49	< 0.065		
Lead	6.2	< 0.80		
Mercury	0.97	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.008	< 0.060		
Nickel	2.6	< 0.20		
Silver	0.15	< 0.08		
Tin	0.33	< 0.30		
Titanium	0.57	< 0.60		
Total Toxic Representation				

## ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium	355	200- 750					
Magnesium	36	25- 75					
Sodium	170	20- 180					
Potassium	70	9- 80					
Copper	73	11- 30					
Zinc	180	130- 200					
Manganese	0.71	0.08- 0.50					
Chromium	0.57	0.40- 0.70					
Vanadium	0.069	0.018- 0.065					
Molybdenum	0.021	0.025- 0.060					
Boron	1.5	0.40- 3.0					
Iodine	3.2	0.25- 1.8					
Lithium	0.008	0.007- 0.020					
Phosphorus	165	150- 220					
Selenium	1.1	0.70- 1.2					
Strontium	1.9	0.30- 3.5					
Sulfur	45400	44000- 50000					
Cobalt	0.018	0.004- 0.020					
Iron	18	7.0- 16					
Germanium	0.037	0.030- 0.040					
Rubidium	0.088	0.011- 0.12					
Zirconium	0.073	0.020- 0.44					

### SPECIMEN DATA

**COMMENTS: Results checked.**

Date Collected:                      Sample Size: **0.202 g**  
 Date Received: **7/24/2010**              Sample Type: **Head**  
 Date Completed: **7/28/2010**              Hair Color:  
 Client Reference: **1234462**              Treatment:  
 Methodology: **ICP-MS**                      Shampoo:

V010.08

### RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	<b>9.86</b>	4- 30
Ca/P	<b>2.15</b>	0.8- 8
Na/K	<b>2.43</b>	0.5- 10
Zn/Cu	<b>2.47</b>	4- 20
Zn/Cd	<b>367</b>	> 800

1) What are your current symptoms and health history?

Hypothyroid supported with WTSmed Thyroid Px support

Prediabetic borderline type 2 diabetes

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

Braces? First amalgam etc...)

Currently have 5 root canals

18 Amalgams first placed in 1964 ended in 1980's

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

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

Unsure

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

General vaccinations in the 1940's

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

None

7) What is your age height and weight?

Age 66, Height 5'11" weight 175

8) Other information you feel may be relevant?

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

Southern New Hampshire