

HAIR ELEMENTS



PATIENT: Number 490
SEX: Male
AGE: 36
LOCATION: Dublin, Ireland

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.7	< 7.0		
Antimony	0.041	< 0.066		
Arsenic	0.059	< 0.080		
Barium	0.13	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.006	< 2.0		
Cadmium	< 0.009	< 0.065		
Lead	1.0	< 0.80		
Mercury	1.1	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.011	< 0.060		
Nickel	0.08	< 0.20		
Silver	0.02	< 0.08		
Tin	0.02	< 0.30		
Titanium	0.40	< 0.60		
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	518	200- 750					
Magnesium	13	25- 75					
Sodium	58	20- 180					
Potassium	87	9- 80					
Copper	11	11- 30					
Zinc	150	130- 200					
Manganese	0.04	0.08- 0.50					
Chromium	0.38	0.40- 0.70					
Vanadium	0.040	0.018- 0.065					
Molybdenum	0.023	0.025- 0.060					
Boron	0.58	0.40- 3.0					
Iodine	0.18	0.25- 1.8					
Lithium	0.004	0.007- 0.020					
Phosphorus	190	150- 220					
Selenium	0.91	0.70- 1.2					
Strontium	1.3	0.30- 3.5					
Sulfur	49200	44000- 50000					
Cobalt	< 0.002	0.004- 0.020					
Iron	5.5	7.0- 16					
Germanium	0.028	0.030- 0.040					
Rubidium	0.037	0.011- 0.12					
Zirconium	0.014	0.020- 0.44					

SPECIMEN DATA

COMMENTS:
 Date Collected: 6/2/2011 Sample Size: 0.199 g
 Date Received: 6/4/2011 Sample Type: Head
 Date Completed: 6/8/2011 Hair Color: Brown
 Client Reference: 1280290 Treatment:
 Methodology: ICP-MS Shampoo: Pure Castile Soap

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	39.8	4- 30
Ca/P	2.73	0.8- 8
Na/K	0.667	0.5- 10
Zn/Cu	13.6	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 490

“Depression, mood swings, paranoia. Mercury and lead sensitive in Lymphocyte Sensitivity test. Mercury in feacal sample 40 mcg/kg, ref < 10. First amalgams (5-6) at age of 15. Replaced with other amalgams at age 17, not safely. In 2011 all 9 amalgams replaced with composite fillings safely.

Mother had no dental work before or during pregnancy.

Travel shots between 2007-2010: TYPHIM VI, Yellow fever, Difteria, Polio, Tetanus, Hepatitis A. Meningitis Acwy, Rabies, (3), Hepatitis B (3), Typhod.

Supplements started 4 month before hair test. Omega 3 2X1000, Vit C 6grams, Zinc 30 mg, Magnesium 600mg, Vit E 400IU, Vit B3 100mg, Coenzime Q10 100mg, 5HTP 2x 50mg , Milk Thistle 3x 250mg, Evening Primrose Oil 1x30.

Age 36, 72 inches, 12 stones

Dublin Ireland