HAIR ELEMENTS

PATIENT: Number 334
SEX: Male
AGE: 30
LOCATION: Madrid, Spain.

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE 68th / 95th
Aluminum	16	< 7.0	
Antimony	0.020	< 0.066	
Arsenic	0.047	< 0.080	
Barium	1.4	< 1.0	
Beryllium	< 0.01	< 0.020	
Bismuth	0.006	< 2.0	
Cadmium	0.040	< 0.065	
Lead	0.55	< 0.80	
Mercury	2.3	< 0.80	
Platinum	< 0.003	< 0.005	
Thallium	< 0.001	< 0.002	
Thorium	< 0.001	< 0.002	
Uranium	0.041	< 0.060	
Nickel	0.11	< 0.20	
Silver	0.05	< 0.08	
Tin	0.11	< 0.30	
Titanium	0.39	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE 2.5th / 16th / 50th / 84th / 97.5th
Calcium	643	200- 750	
Magnesium	34	25- 75	
Sodium	100	20- 180	
Potassium	120	9- 80	
Copper	17	11- 30	
Zinc	140	130- 200	
Manganese	0.28	0.08- 0.50	
Chromium	0.36	0.40- 0.70	
Vanadium	0.024	0.018- 0.065	
Molybdenum	0.048	0.025- 0.060	
Boron	0.44	0.40- 3.0	
Iodine	1.6	0.25- 1.8	
Lithium	0.022	0.007- 0.020	
Phosphorus	207	150- 220	
Selenium	0.70	0.70- 1.2	
Strontium	2.7	0.30- 3.5	
Sulfur	49800	44000- 50000	
Cobalt	0.017	0.004- 0.020	
Iron	14	7.0- 16	
Germanium	0.037	0.030- 0.040	
Rubidium	0.10	0.011- 0.12	
Zirconium	0.026	0.020- 0.44	

SPECIMEN DATA

COMMENTS:

Date Collected:
Date Received: **2/8/2010**
Date Completed: **2/16/2010**
Client Reference:
Methodology: **ICP-MS**

Sample Size: **0.199 g**
Sample Type: **Head**
Hair Color:
Treatment:
Shampoo:

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	18.9	4- 30
Ca/P	3.11	0.8- 8
Na/K	0.833	0.5- 10
Zn/Cu	8.24	4- 20
Zn/Cd	> 999	> 800

V010.08

Health history for hair test 334

- What are your current symptoms and health history?
  a. **Basically the typical CFS problems: fatigue every day of my life, digestive problems, I cannot eat bread, milk, tuna, corn, etc I feel sick since I was a child.**
- Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc…) **I had nothing in my mouth until 6 years ago. I was sick before that treatment.**
- What dentistry did your mother have at any time before or during pregnancy? **No idea**
- What vaccinations have you had and when (including flu and especially travel shots)?
  a. **I had the typical vaccinations of every Spanish child in the school. I had many in the first years of my life.**
- Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?
  a. **L-Glutamine**
  b. **Alpha Lipoic**
- What is your age, height and weight?
  a. **Age 30, Height 182cm, Weight 74kg**
- Other information you feel may be relevant?
  a. **I had many medical test, all were fine, (heart, breathing, colonoscopy, etc). My defences are very high: NK very high, CD 4 low/normal, CD8 very high.**
  b. **No AIDS, no hepatitis, ...**
- What is your location – city & country (so that we can learn where certain toxins are more prevalent).
  a. **Madrid, Spain,**