

HAIR ELEMENTS



PATIENT: Number 409
SEX: Female
AGE: 5
LOCATION: Russia

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	19	< 8.0	[Bar chart showing result at 68th percentile]	
Antimony	0.095	< 0.066	[Bar chart showing result at 68th percentile]	
Arsenic	0.073	< 0.080	[Bar chart showing result at 68th percentile]	
Barium	0.46	< 0.75	[Bar chart showing result at 68th percentile]	
Beryllium	< 0.01	< 0.020	[Bar chart showing result at 68th percentile]	
Bismuth	0.018	< 2.0	[Bar chart showing result at 68th percentile]	
Cadmium	0.074	< 0.070	[Bar chart showing result at 68th percentile]	
Lead	2.5	< 1.0	[Bar chart showing result at 68th percentile]	
Mercury	< 0.03	< 0.40	[Bar chart showing result at 68th percentile]	
Platinum	< 0.003	< 0.005	[Bar chart showing result at 68th percentile]	
Thallium	< 0.001	< 0.002	[Bar chart showing result at 68th percentile]	
Thorium	0.002	< 0.002	[Bar chart showing result at 68th percentile]	
Uranium	0.065	< 0.060	[Bar chart showing result at 68th percentile]	
Nickel	0.17	< 0.30	[Bar chart showing result at 68th percentile]	
Silver	0.22	< 0.20	[Bar chart showing result at 68th percentile]	
Tin	0.30	< 0.30	[Bar chart showing result at 68th percentile]	
Titanium	0.74	< 0.90	[Bar chart showing result at 68th percentile]	
Total Toxic Representation			[Bar chart showing result at 68th percentile]	

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	401	140- 500	[Bar chart showing result between 16th and 50th percentiles]				
Magnesium	46	15- 45	[Bar chart showing result between 16th and 50th percentiles]				
Sodium	340	18- 180	[Bar chart showing result between 16th and 50th percentiles]				
Potassium	200	10- 150	[Bar chart showing result between 16th and 50th percentiles]				
Copper	8.2	11- 24	[Bar chart showing result between 16th and 50th percentiles]				
Zinc	150	100- 190	[Bar chart showing result between 16th and 50th percentiles]				
Manganese	0.81	0.10- 0.50	[Bar chart showing result between 16th and 50th percentiles]				
Chromium	0.52	0.43- 0.70	[Bar chart showing result between 16th and 50th percentiles]				
Vanadium	0.061	0.030- 0.10	[Bar chart showing result between 16th and 50th percentiles]				
Molybdenum	0.091	0.050- 0.13	[Bar chart showing result between 16th and 50th percentiles]				
Boron	2.0	0.40- 3.5	[Bar chart showing result between 16th and 50th percentiles]				
Iodine	2.0	0.25- 1.3	[Bar chart showing result between 16th and 50th percentiles]				
Lithium	0.050	0.007- 0.020	[Bar chart showing result between 16th and 50th percentiles]				
Phosphorus	219	150- 220	[Bar chart showing result between 16th and 50th percentiles]				
Selenium	0.43	0.70- 1.1	[Bar chart showing result between 16th and 50th percentiles]				
Strontium	1.7	0.19- 2.0	[Bar chart showing result between 16th and 50th percentiles]				
Sulfur	46800	45500- 53000	[Bar chart showing result between 16th and 50th percentiles]				
Cobalt	0.016	0.005- 0.030	[Bar chart showing result between 16th and 50th percentiles]				
Iron	31	7.0- 16	[Bar chart showing result between 16th and 50th percentiles]				
Germanium	0.030	0.030- 0.040	[Bar chart showing result between 16th and 50th percentiles]				
Rubidium	0.090	0.012- 0.16	[Bar chart showing result between 16th and 50th percentiles]				
Zirconium	0.93	0.030- 1.0	[Bar chart showing result between 16th and 50th percentiles]				

SPECIMEN DATA

COMMENTS:

Date Collected: Sample Size: **0.201 g**
 Date Received: **8/9/2010** Sample Type: **Head**
 Date Completed: **8/11/2010** Hair Color:
 Client Reference: Treatment:
 Methodology: **ICP-MS** Shampoo:

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	8.72	4- 30
Ca/P	1.83	1- 12
Na/K	1.7	0.5- 10
Zn/Cu	18.3	4- 20
Zn/Cd	> 999	> 800

Hair Test 409

1) What are your current symptoms and health history?

cannot chew, talk, feed themselves, fragile x, syndrome, fine and gross motor skills absent

2) Dental history (wisdom teeth removed? First root canal placed? Braces? most baby teeth have fallen out,

some adult teeth coming in, no dental work

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

n/a

4) What dentistry did your mother have at any time before or during pregnancy? mother had several crowns, fillings, lots of dental work, no info on when this was done, during pregnancy

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

TB, DTAP, HEP B , MMR,

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

7) Other information you feel may be relevant?

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

Russia