

HAIR ELEMENTS



PATIENT: Number 283
SEX: Male
AGE: 4
LOCATION: Berlin Germany

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	10	< 8.0		
Antimony	0.13	< 0.066		
Arsenic	0.11	< 0.080		
Barium	0.23	< 0.50		
Beryllium	< 0.01	< 0.020		
Bismuth	0.056	< 2.0		
Cadmium	0.099	< 0.070		
Lead	1.3	< 1.0		
Mercury	0.35	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	0.001	< 0.002		
Uranium	0.015	< 0.060		
Nickel	0.08	< 0.20		
Silver	0.13	< 0.20		
Tin	0.21	< 0.30		
Titanium	0.51	< 1.0		
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	154	125- 370					
Magnesium	14	12- 30					
Sodium	26	20- 200					
Potassium	15	12- 200					
Copper	13	11- 18					
Zinc	98	100- 190					
Manganese	0.19	0.10- 0.50					
Chromium	0.69	0.43- 0.80					
Vanadium	0.11	0.030- 0.10					
Molybdenum	0.057	0.050- 0.13					
Boron	4.8	0.70- 5.0					
Iodine	0.65	0.25- 1.3					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	176	150- 220					
Selenium	0.78	0.70- 1.1					
Strontium	0.30	0.16- 1.0					
Sulfur	52400	45500- 53000					
Cobalt	0.007	0.004- 0.020					
Iron	12	7.0- 16					
Germanium	0.036	0.030- 0.040					
Rubidium	0.028	0.016- 0.18					
Zirconium	0.50	0.040- 1.0					

SPECIMEN DATA

COMMENTS:

Date Collected: 4/18/2009 Sample Size: 0.124 g
 Date Received: 4/28/2009 Sample Type: Head
 Date Completed: 5/12/2009 Hair Color:
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo:

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	11	4- 30
Ca/P	0.875	0.8- 8
Na/K	1.73	0.5- 10
Zn/Cu	7.54	4- 20
Zn/Cd	990	> 800

Health history of hair test 283

My son's health history

1. current symptoms - extreme tantrums, unable to focus, hyperactive, language delay, overly sensitive to sound and light, low tone, poor balance, leaky gut, food intolerances etc. Problems began from birth - unable to suck, extreme risk jaundice, fussy baby, eczema, frequent ear infections, constantly sick

2. & 3. No dental work. Does grind teeth.

4. During the year before pregnancy, mother had a major overhaul of teeth involving 6 or 7 teeth: 3 silver filled molars dug out and replaced with crowns - these also required root canals. Another silver filled molar was dug out but able to replace with non-silver filling. A smaller silver filling was also replaced and an old metal post was replaced with a new one. This process was over a 6 month period. Then when my son was about 6 months old, mother had 2 more small older silver fillings removed and replaced with non-silver. At dentist recommendation, I pumped breast milk and threw it out for 24 hours after this procedure.

5. Had the flu shot when mother was six months pregnant. Had all the standard recommended vaccines.

6. Takes Brainchild vitamins 3x day, Omega fish oils 3 capsules p/day, AFP chewable enzymes with meals, probiotics Symbioflur 1 - 20 drops and Symbioflur II 10 drops per day

7. Age is 4.5 years old, 3 ft 3 inch, 36 lbs

8. has also had a lot of exposure to construction - at 8 months moved into apartment in newly renovated building which was covered in construction dust, from 2 years old to 3 years old, went to a nursery school being renovated; and at 3.5 years old, moved into another new apartment also with a total renovation just finished AND they are still working on the front part of the building so there is continuous and heavy construction dust everywhere.

9. Berlin Germany