

# HAIR ELEMENTS



**PATIENT: Number 387**  
**SEX: Male**  
**AGE: 2**  
**LOCATION: South-Eastern USA**

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	2.4	< 8.0		
Antimony	2.5	< 0.066		
Arsenic	4.3	< 0.080		
Barium	0.04	< 0.50		
Beryllium	< 0.01	< 0.020		
Bismuth	1.3	< 2.0		
Cadmium	0.035	< 0.070		
Lead	0.07	< 1.0		
Mercury	0.37	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	< 0.001	< 0.060		
Nickel	0.02	< 0.20		
Silver	0.02	< 0.20		
Tin	0.11	< 0.30		
Titanium	0.88	< 1.0		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS						
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE			97.5 <sup>th</sup>
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	
Calcium	42	125- 370				
Magnesium	< 0.4	12- 30				
Sodium	37	20- 200				
Potassium	78	12- 200				
Copper	8.1	11- 18				
Zinc	84	100- 190				
Manganese	0.06	0.10- 0.50				
Chromium	0.46	0.43- 0.80				
Vanadium	0.052	0.030- 0.10				
Molybdenum	0.060	0.050- 0.13				
Boron	8.4	0.70- 5.0				
Iodine	1.3	0.25- 1.3				
Lithium	0.012	0.007- 0.020				
Phosphorus	172	150- 220				
Selenium	0.96	0.70- 1.1				
Strontium	0.03	0.16- 1.0				
Sulfur	48200	45500- 53000				
Cobalt	0.002	0.004- 0.020				
Iron	8.3	7.0- 16				
Germanium	0.030	0.030- 0.040				
Rubidium	0.10	0.016- 0.18				
Zirconium	0.041	0.040- 1.0				

SPECIMEN DATA				RATIOS		
<b>COMMENTS:</b>				<b>ELEMENTS</b>	<b>RATIOS</b>	<b>EXPECTED RANGE</b>
Date Collected: 5/18/2010	Sample Size: 0.2 g			Ca/Mg	105	4- 30
Date Received: 5/21/2010	Sample Type: Head			Ca/P	0.244	0.8- 8
Date Completed: 5/28/2010	Hair Color: Brown			Na/K	0.474	0.5- 10
Client Reference:	Treatment:			Zn/Cu	10.4	4- 20
Methodology: ICP-MS	Shampoo: Weleda			Zn/Cd	> 999	> 800

V010.08

## Health history for hair test 387

### 1) What are your current symptoms and health history?

Delayed development – 32 months old and still only “speaks” (mumbles) a few words – prefers to whine and cry instead. Mood swings. Anxiety – very easily frightened. Very sensitive disposition for a boy. Easily frustrated. Environmental allergies. Thermal and auditory hypersensitivity. Craves sweets even though restricted. Gut dysbiosis.

### 2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam, etc...)

N/A – healthy

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

None

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

Seven years prior to pregnancy was when mother had all of her amalgams improperly removed and MMR booster that shutdown her colon.

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

None - thank God.

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

PureBears daily multiple vitamin. Extra Vitamin C as needed. Flora/probiotics.

### 7) Other information you feel may be relevant?

During labor, mother forced to receive 48 hours of “prophylactic” IV Penicillin. Light sleeper.

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

Southeastern U.S.