

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	15	< 8.0		
Antimony	0.15	< 0.066		
Arsenic	0.70	< 0.080		
Barium	0.91	< 0.75		
Beryllium	< 0.01	< 0.020		
Bismuth	0.065	< 2.0		
Cadmium	0.28	< 0.070		
Lead	9.3	< 1.0		
Mercury	3.1	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.002	< 0.060		
Nickel	0.38	< 0.30		
Silver	15	< 0.20		
Tin	0.65	< 0.30		
Titanium	1.1	< 0.90		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	344	140- 500					
Magnesium	19	15- 45					
Sodium	61	18- 180					
Potassium	120	10- 150					
Copper	17	11- 24					
Zinc	110	100- 190					
Manganese	0.29	0.10- 0.50					
Chromium	0.73	0.43- 0.70					
Vanadium	0.075	0.030- 0.10					
Molybdenum	0.47	0.050- 0.13					
Boron	1.6	0.40- 3.5					
Iodine	0.68	0.25- 1.3					
Lithium	0.005	0.007- 0.020					
Phosphorus	196	150- 220					
Selenium	0.70	0.70- 1.1					
Strontium	0.41	0.19- 2.0					
Sulfur	52800	45500- 53000					
Cobalt	0.034	0.005- 0.030					
Iron	19	7.0- 16					
Germanium	0.032	0.030- 0.040					
Rubidium	0.16	0.012- 0.16					
Zirconium	0.28	0.030- 1.0					

SPECIMEN DATA

RATIOS

COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected:	12/18/2009	Sample Size:	0.203 g	Ca/Mg	18.1	4- 30
Date Received:	1/8/2010	Sample Type:	Head	Ca/P	1.76	1- 12
Date Completed:	1/9/2010	Hair Color:		Na/K	0.508	0.5- 10
Client Reference:		Treatment:		Zn/Cu	6.47	4- 20
Methodology:	ICP-MS	Shampoo:	No More Tears	Zn/Cd	393	> 800

Health history for hair test 447

My daughter is 3 she is 12 kgs.

She has been diagnosed with Metachromatic Leukodystrophy.

She cannot move or speak she is tube fed she is on a lot of drugs from never pain basically she has no myelin sheath she is prescribed morphine, gabapentin valium and baclofen she was in a lot of pain.

She regressed at age 2 she was initially healthy happy crawling talking etc. The mercury came from an unusual source, I was being poisoned by an ex boyfriend. He sent mercuric oxide in letters to me, its a salt form of mercury.

The other toxins that show up - not sure, as we lived in Petone Wellington NZ (kind of industrial ear).

The landlord sanded the front interior porch and that how we think the lead got there.

The floor boards were polished wood.