HAIR ELEMENTS



PATIENT: Number 356 SEX: Male AGE: 2

POTENTIALLY TOXIC ELEMENTS						
TOXIC	RESULT	REFERENCE		PERCENTI		
ELEMENTS	μg/g	RANGE	68	th	95 th	
Aluminum	3.8	< 8.0				
Antimony	0.12	< 0.066				
Arsenic	0.21	< 0.080				
Barium	0.22	< 0.50				
Beryllium	< 0.01	< 0.020				
Bismuth	0.026	< 2.0	•			
Cadmium	0.062	< 0.070				
Lead	0.14	< 1.0	—			
Mercury	0.11	< 0.40				
Platinum	< 0.003	< 0.005				
Thallium	< 0.001	< 0.002				
Thorium	< 0.001	< 0.002				
Uranium	0.002	< 0.060	•			
Nickel	0.07	< 0.20				
Silver	0.04	< 0.20				
Tin	0.26	< 0.30				
Titanium	0.33	< 1.0				
Total Toxic Represent	ation					
		ESSENTIAL	AND OTHER ELEMENT	S		
	RESULT	REFERENCE		PERCENTI	LE	
ELEMENTS	μg/g	RANGE	2.5 th 16 th	50 th		4 th 97.5 th
Calcium	198	125- 370				
Magnesium	130	12- 30				••••••
Sodium	110	20- 200				••••••
Potassium	310	12- 200				
Copper	7.7	11- 18				
Zinc	50	100- 190				
Manganese	0.08	0.10- 0.50				•••••••••••••••••••••••••••••••••••••••
Chromium	0.62	0.43- 0.80				•••••••••••••••••••••••••••••••••••••••
Vanadium	0.089	0.030- 0.10				
Molybdenum	0.14	0.050- 0.13				••••••
Boron	22	0.70- 5.0				
Iodine	0.80	0.25- 1.3				•••••••••••••••••••••••••••••••••••••••
Lithium	0.077	0.007- 0.020				
Phosphorus	183	150- 220		-		
Selenium	0.92	0.70- 1.1				
Strontium	0.14	0.16- 1.0	— ——			
Sulfur	53800	45500- 53000				
Cobalt	0.005	0.004- 0.020				
Iron	14	7.0- 16				
Germanium	0.043	0.030- 0.040				
Rubidium	0.33	0.016- 0.18				
Zirconium	0.92	0.040- 1.0				
		PECIMEN DATA			RATIOS	
COMMENTS:					RATIO5	EXPECTED
	21/2010	Commit- Ci	0 196 ~	ELEMENTS	RATIOS	EXPECTED RANGE
	21/2010	Sample Size:	0.196 g			
	26/2010	Sample Type:	Head	Ca/Mg	14.1	4-30
Date Completed: 5/1/2010		Hair Color:	Brown	Ca/P	1.08	0.8-8
Client Reference: 1229518		Treatment:		Na/K	0.355	0.5-10
Methodology: IC	P-MS	Shampoo:	Kiss My Face	Zn/Cu	6.49	4-20
			V010.08	Zn/Cd	806	> 800

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Health history for hair test 356

Symptoms: 27 month old boy, 28 lbs., diagnosed with autism one month ago, symptoms include:

- diminished sociability
- weak language development(spoke a few random words, moans a lot, does not seem to comprehend words)
- limited eye contact, this has improved recently
- stimming (paces back and forth)
- cause/reaction play (repeatedly pressing buttons that cause light or sound reactions)
- laughing to himself
- hand flapping when excited
- constantly putting things in his mouth
- picky eater
- irritable
- mucus
- hypotonia
- dry skin
- itching
- dark circles under eyes
- soft stool

Current treatments:

- gf/cf diet
- Nordic naturals CLO
- quercitin

Dental history:

• he has had no work done, but Mom had two amalgam fillings installed 7 years ago and were present during pregnancy

Vaccinations:

Everything up till and including the MMR at 12 months. Stopped after that.