HAIR ELEMENTS



PATIENT: Number 276 SEX: Male

AGE: 1

LOCATION: Grand Rapids, Michigan, USA

POTENTIALLY TOXIC ELEMENTS											
TOXIC	RESULT	REFERENCE	PERCENTILE								
ELEMENTS	μg/g	RANGE		68	3 th	95 th					
Aluminum	9.6	< 8.0									
Antimony	0.089	< 0.066									
Arsenic	0.097	< 0.080			-						
Barium	0.34	< 0.50									
Beryllium	< 0.01	< 0.020									
Bismuth	0.094	< 2.0	-								
Cadmium	0.12	< 0.070									
Lead	0.68	< 1.0									
Mercury	< 0.03	< 0.40									
Platinum	< 0.003	< 0.005									
Thallium	< 0.001	< 0.002									
Thorium	0.001	< 0.002	•								
Uranium	0.005	< 0.060	-								
Nickel	0.13	< 0.20									
Silver	0.15	< 0.20									
Tin	1.2	< 0.30									
Titanium	1.2	< 1.0									
Total Toxic Represen	tation										
		ESSENTIAL	AND OT	HER ELEMEN	rs						
	RESULT	REFERENCE			PERCENTILE						
ELEMENTS	μg/g	RANGE	2.5 th	16 th	50 th	84 th	97.5 th				
Calcium	400	125- 370									
Magnesium	57	12- 30									

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Calcium	400	125- 370						
Magnesium	57	12- 30						
Sodium	160	20- 200						
Potassium	190	12- 200		_				
Copper	8.9	11- 18						
Zinc	140	100- 190		-				
Manganese	0.38	0.10- 0.50						
Chromium	0.47	0.43- 0.80						
Vanadium	0.039	0.030- 0.10						
Molybdenum	0.063	0.050- 0.13						
Boron	1.0	0.70- 5.0		<b></b>				
Iodine	3.5	0.25- 1.3		_				
Lithium	0.013	0.007- 0.020		_				
Phosphorus	183	150- 220						
Selenium	0.91	0.70- 1.1		•				
Strontium	0.29	0.16- 1.0		-				
Sulfur	51200	45500- 53000		_				
Cobalt	0.009	0.004- 0.020		-				
Iron	13	7.0- 16						
Germanium	0.030	0.030- 0.040						
Rubidium	0.14	0.016- 0.18						
Zirconium	2.6	0.040- 1.0		_				
	S	PECIMEN DATA			RATIOS			
COMMENTS:						EXPECTED		
Date Collected: 3/	7/2009	Sample Size:	0.2 g	ELEMENTS	RATIOS	RANGE		
Date Received: 3/2	12/2009	Sample Type:	Head	Ca/Mg	7.02	4- 30		
Date Completed: 3/2	13/2009	Hair Color:	Brown	Ca/P	2.19	0.8- 8		
Client Reference:		Treatment:		Na/K	0.842	0.5- 10		
Methodology: IC	P-MS	Shampoo:	Johnsons Baby	Zn/Cu	15.7	4- 20		
• • •		•	V010.	08 Zn/Cd	> 999	> 800		

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## Health history for hair test 276

Male, age 15 months at time of hair test /Grandson of hair tests 203 and 266, brother of 232, 233

Current symptoms – no speech yet, babbles, walks well, had difficulty swallowing chunks of food in transitioning from smooth baby food to more advanced baby food, is mostly finished with baby food as of 16 ½ months, tends to stuff his mouth with food, wants to eat whenever anyone else is eating, does not sleep through the night usually, possible antibiotic resistance, extreme shyness – puts arm(s) up over eyes when he sees new people (and sometimes grandparents, as well), dry skin, had a facial rash for months, much constipation, yeast at times in groin area, many colds and ear infections, recently had double ear infection and sinus infection that one antibiotic couldn't help, doesn't always respond when his name is called.

**Dental history –** teeth are not all coming in in correct sequence.

Current dental work - none

**Mom's dental history** – 1 amalgam in baby tooth, none now. Routine dental cleaning during pregnancy.

Vaccinations – Has had all recommended vaccinations, including Hepatitis B.

**Supplements/medications** – liquid vitamins, was on antibiotics, Tylenol at times during 6 months prior to hair test.

Age - 15 months, normal height and weight.

**Other information** – Doctor thinks ear infections are contributing to his not speaking. He was breast fed for 8 months.

Grand Rapids, Michigan, USA