



PATIENT: Number 750
 SEX: Male
 AGE: 3

Toxic & Essential Elements; Hair

TOXIC METALS					
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
				68 th	95 th
Aluminum	(Al)	8.6	< 8.0		
Antimony	(Sb)	0.14	< 0.066		
Arsenic	(As)	0.039	< 0.080		
Barium	(Ba)	0.33	< 0.50		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	0.043	< 2.0		
Cadmium	(Cd)	0.024	< 0.070		
Lead	(Pb)	0.55	< 1.0		
Mercury	(Hg)	0.56	< 0.40		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(Tl)	0.001	< 0.002		
Thorium	(Th)	< 0.001	< 0.002		
Uranium	(U)	0.018	< 0.060		
Nickel	(Ni)	0.08	< 0.20		
Silver	(Ag)	0.20	< 0.20		
Tin	(Sn)	0.20	< 0.30		
Titanium	(Ti)	0.67	< 1.0		
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS								
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE				
				2.5 th	16 th	50 th	84 th	97.5 th
Calcium	(Ca)	382	125- 370					
Magnesium	(Mg)	23	12- 30					
Sodium	(Na)	140	20- 200					
Potassium	(K)	94	12- 200					
Copper	(Cu)	51	11- 18					
Zinc	(Zn)	200	100- 190					
Manganese	(Mn)	0.17	0.10- 0.50					
Chromium	(Cr)	0.47	0.43- 0.80					
Vanadium	(V)	0.050	0.030- 0.10					
Molybdenum	(Mo)	0.062	0.050- 0.13					
Boron	(B)	5.4	0.70- 5.0					
Iodine	(I)	0.67	0.25- 1.3					
Lithium	(Li)	0.004	0.007- 0.020					
Phosphorus	(P)	194	150- 220					
Selenium	(Se)	0.78	0.70- 1.1					
Strontium	(Sr)	3.9	0.16- 1.0					
Sulfur	(S)	47600	45500- 53000					
Cobalt	(Co)	0.012	0.004- 0.020					
Iron	(Fe)	8.0	7.0- 16					
Germanium	(Ge)	0.031	0.030- 0.040					
Rubidium	(Rb)	0.14	0.016- 0.18					
Zirconium	(Zr)	1.0	0.040- 1.0					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 9/19/2012	Sample Size: 0.197 g	Ca/Mg	16.6	4- 30
Date Received: 9/25/2012	Sample Type: Head	Ca/P	1.97	0.8- 8
Date Completed: 9/27/2012	Hair Color: Black	Na/K	1.49	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	3.92	4- 20
	Shampoo: Jj	Zn/Cd	> 999	> 800

Health history for hair test 750

My son is 3.5 yrs old. he was diagnosed with pdd-nos.

He was born at term c-section and was breech.

My wife had a flu shot at 3 months pregnant and my son is fully vaccinated.

He was late in walking around 18 months and he was is verbal by only functional not social language, spontaneous language is slow. He has anxieties , tantrums and is a fussy eater. He sleeps well and he still toe walks most of the time.

Mum had no dental amalgams and child has no dental work.

He was not on any supplements prior to hair test. he weighs 30 lbs now and has improved generally. has fine motor delay.

He makes good eye contact now as well.

we live in cambridge, ontario, canada.