

Patient:

Report Date: August 2, 2012

Login Date: August 1, 2012

TOXIC AND NON-NUTRITIONAL					
	Result (ug/g)	High Limit	--- Acceptable---	----- Above Acceptable Limits -----	
Mercury (Hg)	4.89	1.00			Hg
Lead (Pb)	0.63	1.00			Pb
Cadmium (Cd)	0.01	0.10			Cd
Arsenic (As)	0.01	1.00			As
Aluminium (Al)	7.95	10.00			Al
Antimony (Sb)	0.04	1.00			Sb
Barium (Ba)	1.22	1.50			Ba
Beryllium (Be)	0.002	0.050			Be
Weighted Total Toxicity Assessment (93)					

NUTRITIONAL ELEMENTS						
	Result (ug/g)	Expected (ug/g)	Below Normal	Normal	Above Normal	
Mainly Structural						
Calcium (Ca)	1499	200-630				Ca
Magnesium (Mg)	72	18-78				Mg
Sulphur (S)	41492	35000-50000				S
Silicon (Si)	33	15-80				Si
Boron (B)	3.04	0.5-3.5				B
Phosphorus (P)	178.9	125-250				P
Strontium (Sr)	4.2	0.8-6.0				Sr
Mainly Electrolyte						
Potassium (K)	54.4	10-80				K
Sodium (Na)	116.2	25-180				Na
Mainly CoFactor						
Zinc (Zn)	153.7	140-200				Zn
Copper (Cu)	110.9	10-35				Cu
Iron (Fe)	10.8	6-15				Fe
Selenium (Se)	0.61	0.8-2.0				Se
Chromium (Cr)	0.60	0.2-1.2				Cr
Manganese (Mn)	0.200	0.2-0.8				Mn
Nickel (Ni)	0.189	0.15-1.0				Ni
Vanadium (V)	0.012	0.01-0.15				V
Molybdenum (Mo)	0.034	0.03-0.15				Mo
Cobalt (Co)	0.011	0.02-0.20				Co

SIGNIFICANT RATIOS			
	Result	Expected	
Ca:Mg	20.7	4-20	
Ca:P	8.4	1.5-7.0	
Ca:K	27.6	9.4-135	
Ca:Na	12.9	3.8-44	
Ca:Fe	139.0	21-109	
Na:K	2.1	2.0-4	
Na:Mg	1.6	0.2-2.2	
Zn:Cu	1.4	4-17	
Fe:Cu	0.1	0.20-1.5	
Ca:Pb	2391	>84	
Fe:Pb	17.2	>4.4	
Fe:Hg	2.2	>22	
Se:Hg	0.13	>1.0	
Zn:Hg	31	>200	
Zn:Cd	10979	>800	

OTHER ELEMENTS					
The significance of these elements in hair has not been established. Higher than normal values may indicate exogenous sources.					
Potentially Toxic		Generally Non-Toxic			
	Result	Expected			
Bismuth (Bi)	0.150	<1.0	Germanium (Ge)	0.037	<DL - 0.8
Palladium (Pd)	0.080	<1.0	Lithium (Li)	0.039	<DL - 0.1
Platinum (Pt)	0.003	<1.0	Tin (Sn)	0.145	<DL - 2.0
Silver (Ag)	0.164	<1.0	Zirconium (Zr)	0.963	<DL - 0.4
Thallium (Tl)	0.000	<1.0	Lanthanum (La)	0.003	<DL - 0.05
Uranium (U)	0.023	<1.5	Cerium (Ce)	0.005	<DL - 0.05
Tungsten (W)	0.005	<2.0			

Normal Type: (2) Male >14

Analysis Date: August 2, 2012

<dl: Below Method Detection Limit NA: No Analytical Data (Suspected Contamination) For use by practitioners only. Not for diagnosis.