

Practitioner	Project#
	Client#

Patient:

Report Date: August 2, 2012

Login Date: August 1, 2012

<b>TOXIC AND NON-NUTRITIONAL</b>					
	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)					

<b>NUTRITIONAL ELEMENTS</b>						
Mainly Structural	Result (ug/g)	Expected (ug/g)	Below Normal	Normal	Above Normal	
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
<b>Mainly Electrolyte</b>						
Potassium (K)	54.4	10-80				K
Sodium (Na)	116.2	25-180				Na
<b>Mainly CoFactor</b>						
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

<b>SIGNIFICANT RATIOS</b>			
	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	

<b>OTHER ELEMENTS</b>					
The significance of these elements in hair has not been established. Higher than normal values may indicate exogenous sources.					
<b>Potentially Toxic</b>		<b>Generally Non-Toxic</b>			
	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.