



LAB #: H000000-0000-0
 PATIENT: Sample Patient
 ID: PATIENT-S-00001
 SEX: Male
 AGE: 9

CLIENT #: 12345
 DOCTOR:
 Doctor's Data, Inc.
 3755 Illinois Ave.
 St. Charles, IL 60174

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)		9.0	< 8.0	
Antimony (Sb)		0.088	< 0.066	
Arsenic (As)		0.14	< 0.080	
Barium (Ba)		0.30	< 0.75	
Beryllium (Be)		< 0.01	< 0.020	
Bismuth (Bi)		0.13	< 2.0	
Cadmium (Cd)		0.025	< 0.070	
Lead (Pb)		0.92	< 1.0	
Mercury (Hg)		1.1	< 0.40	
Platinum (Pt)		< 0.003	< 0.005	
Thallium (Tl)		< 0.001	< 0.002	
Thorium (Th)		< 0.001	< 0.002	
Uranium (U)		0.010	< 0.060	
Nickel (Ni)		0.13	< 0.20	
Silver (Ag)		0.14	< 0.14	
Tin (Sn)		0.32	< 0.30	
Titanium (Ti)		0.51	< 0.70	
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)		157	160- 500	
Magnesium (Mg)		11	12- 50	
Sodium (Na)		100	20- 200	
Potassium (K)		100	12- 140	
Copper (Cu)		11	11- 32	
Zinc (Zn)		350	110- 190	
Manganese (Mn)		0.28	0.08- 0.50	
Chromium (Cr)		0.60	0.40- 0.70	
Vanadium (V)		0.079	0.025- 0.10	
Molybdenum (Mo)		0.14	0.040- 0.090	
Boron (B)		3.6	0.50- 3.5	
Iodine (I)		0.48	0.25- 1.3	
Lithium (Li)		0.010	0.007- 0.020	
Phosphorus (P)		146	150- 220	
Selenium (Se)		0.84	0.70- 1.1	
Strontium (Sr)		0.21	0.21- 2.1	
Sulfur (S)		50900	44000- 51000	
Cobalt (Co)		0.009	0.004- 0.020	
Iron (Fe)		10	7.0- 16	
Germanium (Ge)		0.028	0.030- 0.040	
Rubidium (Rb)		0.086	0.008- 0.080	
Zirconium (Zr)		0.42	0.060- 0.70	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 10/13/2011	Sample Size: 0.198 g	Ca/Mg	14.3	4- 30
Date Received: 12/8/2011	Sample Type: Head	Ca/P	1.08	0.8- 8
Date Completed: 12/10/2011	Hair Color: Brown	Na/K	1	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	31.8	4- 20
	Shampoo:	Zn/Cd	> 999	> 800