



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 <sup>th</sup> 95 <sup>th</sup>
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 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
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		
<b>COMMENTS:</b>		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