HAIR ELEMENTS

DOCTOR'S DATA INC.

PATIENT: Number 92
SEX: Male
AGE: 5

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE (68th, 95th)
Aluminum	24	< 8.0	
Antimony	0.047	< 0.066	
Arsenic	0.055	< 0.080	
Beryllium	< 0.01	< 0.020	
Bismuth	0.74	< 2.0	
Cadmium	0.026	< 0.15	
Lead	0.21	< 1.0	
Mercury	0.05	< 0.40	
Platinum	< 0.003	< 0.005	
Thallium	< 0.001	< 0.010	
Thorium	< 0.001	< 0.005	
Uranium	0.052	< 0.060	
Nickel	0.17	< 0.40	
Silver	0.15	< 0.20	
Tin	0.15	< 0.30	
Titanium	0.99	< 1.0	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE (2.5th, 16th, 50th, 84th, 97.5th)
Calcium	526	125- 370	
Magnesium	120	12- 30	
Sodium	55	12- 90	
Potassium	130	12- 40	
Copper	15	8.0- 16	
Zinc	170	100- 190	
Manganese	0.24	0.20- 0.55	
Chromium	0.45	0.26- 0.50	
Vanadium	0.11	0.030- 0.10	
Molybdenum	0.078	0.050- 0.13	
Boron	7.1	0.60- 4.0	
Iodine	0.51	0.25- 1.3	
Lithium	0.009	0.007- 0.023	
Phosphorus	136	160- 250	
Selenium	0.73	0.95- 1.7	
Strontium	4.5	0.16- 1.0	
Sulfur	44900	45500- 53000	
Barium	4.7	0.16- 0.80	
Cobalt	0.008	0.013- 0.035	
Iron	9.9	8.0- 19	
Germanium	0.036	0.045- 0.065	
Rubidium	0.10	0.016- 0.18	
Zirconium	0.14	0.040- 1.0	

SPECIMEN DATA

COMMENTS:

Date Collected: **4/30/2007**
Date Received: **5/7/2007**
Date Completed: **5/10/2007**

Methodology: **ICP-MS**

Sample Size: **0.201 g**
Sample Type: **Head**
Hair Color: **Brown**
Treatment:
Shampoo: **Baby**

V06.99

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	4.38	4- 30
Ca/P	3.87	0.8- 8
Na/K	0.423	0.5- 10
Zn/Cu	11.3	4- 20
Zn/Cd	> 999	> 800

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