

HAIR ELEMENTS



LAB#: H080825-0464-1
 PATIENT:
 SEX: Male
 AGE: 75

CLIENT#: 27978
 DOCTOR: Phillip Dietrich
 Total Health Clinic

POTENTIALLY TOXIC ELEMENTS							
TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			68 th	95 th			
Aluminum	1.3	< 12	██████████				
Antimony	0.047	< 0.080	██████████				
Arsenic	0.23	< 0.12	██████████				
Beryllium	< 0.01	< 0.020	██████████				
Bismuth	0.010	< 2.0	██████████				
Cadmium	0.050	< 0.15	██████████				
Lead	1.0	< 2.0	██████████				
Mercury	1.7	< 1.1	██████████				
Platinum	< 0.003	< 0.005	██████████				
Thallium	< 0.001	< 0.010	██████████				
Thorium	< 0.001	< 0.005	██████████				
Uranium	0.015	< 0.060	██████████				
Nickel	0.25	< 0.40	██████████				
Silver	0.22	< 0.10	██████████				
Tin	0.12	< 0.30	██████████				
Titanium	0.46	< 1.0	██████████				
Total Toxic Representation							
ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	555	375- 1100	██████████				
Magnesium	120	40- 140	██████████				
Sodium	86	24- 180	██████████				
Potassium	44	20- 80	██████████				
Copper	12	9.0- 26	██████████				
Zinc	120	120- 200	██████████				
Manganese	0.17	0.20- 0.65	██████████				
Chromium	0.37	0.20- 0.45	██████████				
Vanadium	0.044	0.018- 0.065	██████████				
Molybdenum	0.054	0.040- 0.10	██████████				
Boron	3.3	0.70- 4.0	██████████				
Iodine	0.29	0.25- 1.3	██████████				
Lithium	0.005	0.008- 0.040	██████████				
Phosphorus	216	250- 400	██████████				
Selenium	1.2	0.95- 1.7	██████████				
Strontium	3.0	1.0- 6.0	██████████				
Sulfur	41700	42000- 49000	██████████				
Barium	1.2	0.50- 3.0	██████████				
Cobalt	0.012	0.013- 0.050	██████████				
Iron	8.2	5.8- 14	██████████				
Germanium	0.027	0.045- 0.065	██████████				
Rubidium	0.035	0.030- 0.25	██████████				
Zirconium	0.049	0.040- 1.0	██████████				
SPECIMEN DATA			RATIOS				
COMMENTS: Date Collected: 8/21/2008 Sample Size: 0.197 g Date Received: 8/25/2008 Sample Type: Pubic Date Completed: 8/28/2008 Hair Color: Treatment: Methodology: ICP-MS Shampoo:			ELEMENTS	RATIOS	EXPECTED RANGE		
			Ca/Mg	4.63	4- 30		
			Ca/P	2.57	0.8- 8		
			Na/K	1.95	0.5- 10		
			Zn/Cu	10	4- 20		
			Zn/Cd	> 999	> 800		