

HAIR TOXIC ELEMENT EXPOSURE PROFILE



PATIENT: Hair Test 55
 SEX: Male
 AGE: 55

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Arsenic	0.037	< 0.20		
Lead	0.21	< 8.0		
Mercury	0.55	< 3.0		
Cadmium	0.089	< 0.70		
Chromium	0.23	< 0.75		
Beryllium	< 0.01	< 0.050		
Cobalt	0.038	< 0.10		
Nickel	0.32	< 1.0		
Zinc	240	< 270		
Copper	32	< 55		
Thorium	< 0.001	< 0.010		
Thallium	< 0.001	< 0.020		
Barium	4.5	< 5.0		
Cesium	< 0.002	< 0.010		
Manganese	0.18	< 1.5		
Selenium	50	< 2.7		
Bismuth	0.047	< 5.0		
Vanadium	0.020	< 0.20		
Silver	0.04	< 0.50		
Antimony	0.013	< 0.15		
Palladium	0.019	< 0.010		
Aluminum	2.9	< 19		
Platinum	0.003	< 0.010		
Tungsten	< 0.01	< 0.020		
Tin	0.11	< 0.80		
Uranium	0.009	< 0.20		
Gold	0.04	< 0.40		
Tellurium	< 0.05	< 0.050		
Germanium	0.044	< 0.085		
Titanium	0.64	< 2.0		
Gadolinium	0.001	< 0.008		

SPECIMEN DATA

Comments:

Date Collected: 3/9/2007
 Date Received: 3/15/2007
 Date Completed: 3/20/2007

Methodology: ICP-MS
 $\mu\text{g/g} = \text{ppm}$
 Sample Size: 0.15 g

Sample Type: Head
 Hair Color: Brown
 Treatment:
 Shampoo: Cus Baby

Metals are listed in descending priority order based upon data from the Agency for Toxic Substances and Disease Registry, which considers not only the relative toxicity per gram metal, but also the frequency for occurrence of exposure.