



# Elemental Analysis Hair



## Genova Diagnostics

Innovative Testing for Optimal Health

63 Zillicoa Street  
Asheville, NC 28801  
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Patient:   
DOB: 1971   
Sex: F   
MRN:

Order Number:   
Completed: May 03, 2010   
Received: April 29, 2010   
Collected: April 19, 2010

Healthscope Functional Pathology   
Referring Laboratory   
1868 Dandenong Road   
Clayton, Victoria 3168   
Australia

Toxic Elements		
Element	Reference Range	Reference Range in µg/g
Aluminum	2.1	<= 17.3
Antimony	0.004	<= 0.016
Arsenic	0.023	<= 0.080
Barium	0.11	<= 1.70
Bismuth	1.196	<= 0.178
Cadmium	0.005	<= 0.022
Gadolinium	<dl	<= 0.0005
Lead	0.164	<= 0.700
Mercury	1.88	<= 1.32
Nickel	0.05	<= 0.55
Rhodium	<dl	<= 0.0005
Rubidium	<dl	<= 0.040
Thallium	<dl	<= 0.0004
Tin	0.015	<= 0.149
Uranium	0.0027	<= 0.0057

Nutrient Elements		
Element	Reference Range	Reference Range in µg/g
Calcium	193	192-1,588
Chromium	0.05	0.01-1.58
Cobalt	0.004	0.001-0.129
Copper	23	8-136
Iron	5.1	5.2-24.4
Magnesium	27	11-122
Manganese	0.06	0.04-1.93
Molybdenum	0.02	0.01-1.24
Phosphorous	159	104-206
Selenium	0.78	0.58-1.13
Sodium	<dl	14-426
Strontium	0.40	0.01-4.40
Sulfur	53,835	41,781-60,894
Vanadium	<dl	0.003-0.108
Zinc	205	119-245

Ratios			
	Inside Range	Outside Range	Reference Range
Ca/Mg	7		5-29
Ca/P	1		1-9

Reference Range		
Lithium	0.074	<= 0.302
Potassium	<dl	<= 174