

Ordering Physician:

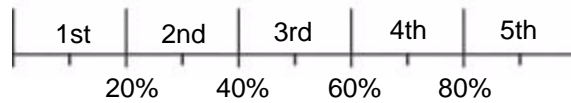
Metamatrix

3425 Corporate Way  
 Duluth, GA 30096

**0020 Element Analysis - Hair**

Methodology: DRC ICP-MS

**Percentile Ranking by Quintile**



**Highly Toxic Heavy Metals**

	Results mcg/gm	Low Limit	High Limit	Reference Limits
1 Aluminum	1.8		13.9	<= 29.6
2 Arsenic	0.16 <b>H</b>		0.15	<= 0.15
3 Beryllium	<DL*		0.010	<DL
4 Cadmium	0.015		0.131	<= 0.389
5 Lead	0.40		2.01	<= 7.61
6 Mercury	0.28		0.92	<= 2.42
7 Thallium	<DL*		0.0004	<= 0.0009

**Potentially Toxic Elements**

8 Antimony	0.023		0.060	<= 0.206
9 Barium	2.3 <b>H</b>		2.0	<= 6.2
10 Bismuth	0.10		0.13	<= 0.42
11 Tin	0.21		0.73	<= 2.44
12 Titanium	0.51		1.33	<= 3.31
13 Tungsten	0.007 <b>H</b>		0.005	<= 0.014
14 Uranium	0.003		0.042	<= 0.147

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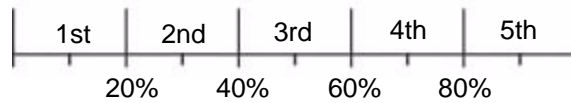
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Results  
 mcg/gm

High Limit

Reference Limits

**Nutrient Elements**

Element	Result	High Limit	Reference Limits
15 Calcium	3,150 <b>H</b>	2,757	111 - 5,270
16 Chromium	0.10	0.26	DL - 0.69
17 Cobalt	0.011	0.080	0.002 - 0.159
18 Copper	37	93	8 - 189
19 Iron	12	22	6 - 28
20 Magnesium	296 <b>H</b>	240	9 - 434
21 Manganese	0.21	0.92	0.05 - 1.64
22 Molybdenum	0.031	0.084	0.008 - 0.113
23 Phosphorus	113	150	80 - 210
24 Potassium	43	243	<= 470
25 Selenium	0.18 <b>L</b>	1.24	0.19 - 1.70
26 Sodium	75	371	9 - 612
27 Vanadium	0.039	0.186	DL - 0.355
28 Zinc	53 <b>L</b>	203	43 - 318

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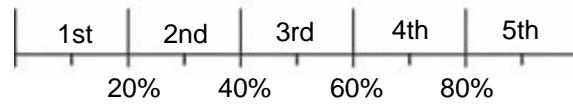
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**0020 Element Analysis - Hair**

Methodology: DRC ICP-MS

**Percentile Ranking by Quintile**



Elements of Unknown Human Requirement

	Results mcg/gm	Low Limit	High Limit	Reference Limits
29 Boron	1.2	0.5	8.3	0.4 - 23.7
30 Lithium	0.018	0.007	0.069	0.004 - 0.113
31 Nickel	1.47	0.06	3.77	0.03 - 7.42
32 Strontium	19.1 <b>H</b>	0.3	8.9	0.2 - 17.5
33 Zirconium	0.29		1.29	<= 1.69

Hair Dry Weight = 0.510 gm

\* <DL = less than detection limit

\*\* >LIN = greater than linearity (highest reportable value)

These test results are not for the diagnosis of disease. They are intended to provide nutritional guidelines to qualified healthcare professionals with full knowledge of patient history and concerns to assist in their design of an appropriate healthcare program.