



# Anamol

Laboratories

Analyzed by Doctor's Data, Inc.

## Hair Mineral Analysis

Patient: Number 171 Sex: Male Age: 46	Hair Location: <b>Head</b> Sample Size: <b>0.131 g</b> Hair Colour: <b>Brown</b> Shampoo: <b>Loreal</b> Treatment:	Date Collected: 5/9/2008 Date In: 5/17/2008 Date Out: 5/20/2008 Methodology: ICP-MS
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Toxic Elements	Results (µg/g)	Ref Range	Within Range	Above Range	
Aluminum	8.8	< 7.0			Al
Antimony	0.032	< 0.066			Sb
Arsenic	0.030	< 0.080			As
Beryllium	< 0.01	< 0.020			Be
Bismuth	0.080	< 2.0			Bi
Cadmium	0.076	< 0.15			Cd
Lead	0.75	< 2.0			Pb
Mercury	0.19	< 1.1			Hg
Silver	0.04	< 0.12			Ag
Uranium	0.012	< 0.060			U

Nutritional Elements	Results (µg/g)	Ref Range	Below Range	50 <sup>th</sup> Percentile	Above Range	
Boron	0.22	0.40- 3.0				B
Calcium	978	200- 750				Ca
Chromium	0.29	0.20- 0.40				Cr
Copper	42	10- 28				Cu
Iron	17	5.4- 13				Fe
Magnesium	45	25- 75				Mg
Manganese	0.09	0.15- 0.65				Mn
Molybdenum	0.038	0.025- 0.064				Mo
Phosphorus	243	160- 250				P
Potassium	25	9- 40				K
Rubidium	0.017	0.011- 0.12				Rb
Sulfur	47500	44500- 52000				S
Selenium	0.94	0.95- 1.7				Se
Sodium	29	12- 90				Na
Strontium	1.6	0.30- 3.5				Sr
Zinc	170	130- 200				Zn

\* <dl = Less than Detection Limit      Comments:

Potentially Toxic Elements	Results (µg/g)	Ref Range		Other Elements	Results (µg/g)	Ref Range		Significant Ratios	Results	Ref Range		
	Nickel	0.07	< 0.40	Ni	Barium	0.36	0.16- 1.6		Ba	Ca:Mg	21.7	4- 30
	Thallium	0.001	< 0.010	Tl	Cobalt	0.005	0.013- 0.035		Co	Fe:Cu	0.405	0.2-1.3
	Thorium	< 0.001	< 0.005	Th	Germanium	0.031	0.045- 0.065		Ge	Na:K	1.16	0.5- 10
	Tin	0.31	< 0.30	Sn	Iodine	0.39	0.25- 1.3		I	Zn:Cu	4.05	4- 20
	Titanium	0.71	< 1.0	Ti	Lithium	< 0.004	0.007- 0.023		Li	Zn:Cd	> 999	> 800
					Vanadium	0.021	0.018- 0.065		V			
				Zirconium	0.37	0.020- 0.44	Zr					