

# Australian Biologics Testing Services

in Cooperation with Micro Trace Minerals Laboratory

Phone: (02) 9283 0807

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Fayworth House Suite 605; 6th Floor 379-383 Pitt Street  
Sydney, NSW 2000



MINERAL ANALYSIS			Hair	
			Lab Number	
			Sex	m
			Age	30
Clinical Information			Page	1/5
	Acceptable Range	Test Value		
<b>Essential Trace Elements (ppm = mg/kg = mcg/g)</b>				
Chromium	0.020 --- 0.210	0.070		
Cobalt	0.010 --- 0.300	0.125		
Copper	10.000 --- 41.000	40.866		
Iodine	0.050 --- 5.000	0.640		
Iron	4.600 --- 17.700	6.165		
Manganese	0.050 --- 0.920	0.270		
Molybdenum	0.030 --- 1.100	0.025	↓	
Selenium	0.400 --- 1.700	0.868		
Vanadium	0.010 --- 0.200	0.007	↓	
Zinc	150.000 --- 272.000	184.473		
<b>Essential Macroelements (ppm = mg/kg = mcg/g)</b>				
Calcium	220.000 --- 1,600.000	1,502.348		
Magnesium	20.000 --- 130.000	123.865		
<b>Nonessential Trace Elements (ppm = mg/kg = mcg/g)</b>				
Germanium	< 1.650	< 0.003		
Lithium	< 0.300	0.004		
Strontium	0.650 --- 6.900	3.387		
Tungsten	< 0.010	< 0.001		
<b>Potentially Toxic Elements (ppm = mg/kg = mcg/g)</b>				
Aluminum	< 8.000	3.929		
Antimony	< 0.300	0.009		
Arsenic-total	< 0.200	0.012		

n.n. = not detected

Accreditation: DIN EN ISO 17025; Quality control: Dipl. Ing. Friedle, Ing. J. Merz, Dr. Rauland; Validation: Dr. E. Blaurock-Busch PhD

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Patient Name			Page 2/5	
	Acceptable Range	Test Value		
<b>Potentially Toxic Elements (ppm = mg/kg = mcg/g)</b>				
Barium	< 4.640	1.488		
Beryllium	< 0.100	< 0.010		
Bismuth	< 0.200	< 0.010		
Cadmium	< 0.200	0.016		
Lead	< 3.000	1.114		
Mercury	< 0.600	0.667		
Nickel	< 1.000	0.271		
Palladium	< 0.100	< 0.050		
Platinum	< 0.010	< 0.005		
Silver	< 1.000	0.101		
Thallium	< 0.010	< 0.001		
Tin	< 0.700	0.105		
Titanium	< 1.500	0.101		
Uranium	< 0.100	0.031		
Zirconium	< 0.500	0.510		

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MINERAL ANALYSIS		Hair	
Patient Name			Page 3/5
Ratios			
	Acceptable Range	Ratios	
Ca/Cu	5.50 --- 292.00	36.76	
Ca/Fe	16.10 --- 293.00	243.70	
Ca/Mg	1.69 --- 80.00	12.13	
Ca/Sr	40.70 --- 5,517.00	443.62	
Ca/Zn	0.89 --- 11.30	8.14	
Fe/Cu	0.14 --- 2.50	0.15	
Fe/Mn	5.46 --- 195.00	22.83	
Zn/Cr	383.00 --- 2,254.00	2,623.44	
Zn/Cu	3.55 --- 45.30	4.51	
Zn/Fe	10.40 --- 45.40	29.92	
Zn/Mg	1.09 --- 12.40	1.49	
Zn/Mn	142.00 --- 3,542.00	683.12	

n.n. = not detected

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## **Hair Test 1207**

### **1. What are your current symptoms and health history?**

Suffering from chronic fatigue and gut issues for past 3 years. Developed a range of food intolerances. Adrenal fatigue.

### **2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc)**

I had braces for 2 years and still have a dental wire on my bottom teeth.

Had wisdom teeth removed 1 year ago.

### **3. What dental work do you currently have in place? What part of the dental clean-up have you completed?**

No amalgams. Dental wire still in place - but having removed.

### **4. What dentistry did your mother have at any time before or during pregnancy?**

Various dental fillings.

### **5. What vaccinations have you had and when (including flu and especially travel shots)?**

None

### **6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?**

Mutaflor, vitamin C, zinc, betaine, omega 3, T3, DHEA, melatonin, digestive enzymes

### **7. What is your age, height and weight?**

180cm. 70kg.

### **8. Other information you feel may be relevant?**

n/a

### **9. What is your location, city & country (so that we can learn where certain toxins are more prevalent).**

Australia, Sydney