

# HAIR ELEMENTS



**PATIENT: Number 341**  
**SEX: Male**  
**AGE: 57**

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 <sup>th</sup>	95 <sup>th</sup>
Aluminum	11	< 7.0		
Antimony	0.017	< 0.066		
Arsenic	0.051	< 0.080		
Barium	0.19	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.009	< 2.0		
Cadmium	0.050	< 0.065		
Lead	0.86	< 0.80		
Mercury	0.88	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.007	< 0.060		
Nickel	0.07	< 0.20		
Silver	0.03	< 0.08		
Tin	0.18	< 0.30		
Titanium	0.25	< 0.60		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Calcium	187	200- 750					
Magnesium	13	25- 75					
Sodium	99	20- 180					
Potassium	93	9- 80					
Copper	5.6	11- 30					
Zinc	310	130- 200					
Manganese	0.10	0.08- 0.50					
Chromium	0.41	0.40- 0.70					
Vanadium	0.040	0.018- 0.065					
Molybdenum	0.025	0.025- 0.060					
Boron	0.46	0.40- 3.0					
Iodine	0.41	0.25- 1.8					
Lithium	0.006	0.007- 0.020					
Phosphorus	142	150- 220					
Selenium	0.79	0.70- 1.2					
Strontium	0.33	0.30- 3.5					
Sulfur	49500	44000- 50000					
Cobalt	0.006	0.004- 0.020					
Iron	14	7.0- 16					
Germanium	0.029	0.030- 0.040					
Rubidium	0.097	0.011- 0.12					
Zirconium	0.047	0.020- 0.44					

SPECIMEN DATA				RATIOS		
<b>COMMENTS:</b>				<b>ELEMENTS</b>	<b>RATIOS</b>	<b>EXPECTED RANGE</b>
Date Collected: 3/29/2010	Sample Size: 0.197 g		Ca/Mg	14.4	4- 30	
Date Received: 4/5/2010	Sample Type: Head		Ca/P	1.32	0.8- 8	
Date Completed: 4/13/2010	Hair Color: Brown		Na/K	1.06	0.5- 10	
Client Reference:	Treatment:		Zn/Cu	55.4	4- 20	
Methodology: ICP-MS	Shampoo: Head Shoulders		Zn/Cd	> 999	> 800	

## Health history for hair test 341

1. What are your current symptoms and health history?

Pins and needles/ tingling in my feet, buttocks and back of my upper legs – for last 18 months; chronic insomnia for last 20 years; tinnitus; depression; skin disorders on forehead and chest; sinus problems – have had several sinus operations over the years.

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

Three wisdom teeth removed while in my 20's (am now 57); one wisdom tooth remains buried deep; First amalgam placed while in my early teens or before – many followed over the years; First root canal treatment received about 10 years ago.

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

All amalgams (ie 9) removed around August 2009. Have 5 crowns in place – one is zirconium oxide, others are porcelain veneers.

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

Don't know

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

Numerous over the years

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

Zopiclone – 7.5 mgs at night

Mirtazapine – 15 mgs at night – stopped taking about a month ago

Vit C – 2gms per day

Vit B complex – 2 tabs per day

Vit E – 2 tabs per day

Zinc

Calcium/ Magnesium

Glucosamine chondroitin

Omega 3

7. What is your age, height and weight?

57 years; height 188cm (6ft 2 ins); weight 80 kgs (176 pounds)

8. Other information you feel may be relevant?

From around August 2009 received 11 weekly chelation sessions with EDTA and DMPS administered by IV and DMSA administered orally. I stopped this when I heard about the Cutler protocol. I experienced no adverse effects. Challenge tests showed my mercury, lead, aluminium and nickel levels were coming down. My insomnia improved – but has subsequently got worse again. No improvement with other symptoms. I have subsequently done about 8 rounds per the Cutler protocol – no adverse effects but also no improvement.

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

Cape Town, South Africa