

HAIR ELEMENTS



PATIENT: Number 377
SEX: Female
AGE: 31
LOCATION: Near Bristol, UK

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	3.7	< 7.0		
Antimony	0.13	< 0.050		
Arsenic	0.045	< 0.060		
Barium	2.5	< 2.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.014	< 2.0		
Cadmium	0.035	< 0.050		
Lead	0.28	< 0.60		
Mercury	0.39	< 0.80		
Platinum	0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.013	< 0.060		
Nickel	0.08	< 0.30		
Silver	0.30	< 0.15		
Tin	0.14	< 0.30		
Titanium	0.37	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	784	300- 1200					
Magnesium	25	35- 120					
Sodium	36	20- 250					
Potassium	18	8- 75					
Copper	13	11- 37					
Zinc	210	140- 220					
Manganese	0.05	0.08- 0.60					
Chromium	0.34	0.40- 0.65					
Vanadium	0.026	0.018- 0.065					
Molybdenum	0.019	0.020- 0.050					
Boron	0.32	0.25- 1.5					
Iodine	0.43	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	166	150- 220					
Selenium	0.66	0.55- 1.1					
Strontium	1.9	0.50- 7.6					
Sulfur	47300	44000- 50000					
Cobalt	0.004	0.005- 0.040					
Iron	9.4	7.0- 16					
Germanium	0.026	0.030- 0.040					
Rubidium	0.018	0.007- 0.096					
Zirconium	0.15	0.020- 0.42					

SPECIMEN DATA

COMMENTS:

Date Collected: Sample Size: **0.199 g**
 Date Received: 5/25/2010 Sample Type: **Head**
 Date Completed: 5/29/2010 Hair Color:
 Client Reference: Treatment:
 Methodology: **ICP-MS** Shampoo:

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	31.4	4- 30
Ca/P	4.72	1- 12
Na/K	2	0.5- 10
Zn/Cu	16.2	4- 20
Zn/Cd	> 999	> 800

Health history for hair test 377

1) What are your current symptoms and health history?

Im currently treating, OCD, dyslexia, PTSD, depression, insomnia, IBS, aspergers, fibromyalgia, myopia.

My symptoms became difficult around 2005 when i started to sort out my diet.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

I've had my only amalgam filling removed in 2008, ive had no root canal placed but have had a few teeth removed for my braces which i wore in 1994-1996.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

i have a bridge behind my front teeth (nickel free).

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

She cannot recall what dental treatment she had when pregnant but shes had major problems with her teeth and has a few fillings.

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

i had the MMR in 2006 when i started to go downhill. Ive also had UK childhood shots except bcg.

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

milk thistle, fish oil, mag, cal, sel, zinc, d3, coq10 at levels as indicated in AI mostly for the 3-6 months before. i try and drink ginger and chamomile tea.

7) Other information you feel may be relevant?

i have a largely organic diet. im intolerant to gluten.

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

i live near bristol in the UK in a small town. There is an industrial estate near to my home it includes a wood cutting plant.