

HAIR ELEMENTS



PATIENT: Number 208
SEX: Female
AGE: 34
LOCATION: Trondheim, Norway

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	5.6	< 7.0	██████████	
Antimony	0.012	< 0.050	█	
Arsenic	0.034	< 0.060	██████████	
Beryllium	< 0.01	< 0.020		
Bismuth	0.10	< 2.0	█	
Cadmium	< 0.009	< 0.10		
Lead	0.23	< 1.0	██████	
Mercury	0.34	< 1.1	██████	
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.010	< 0.060	████	
Nickel	0.08	< 0.40	████	
Silver	0.09	< 0.15	██████████	
Tin	0.08	< 0.30	████	
Titanium	1.1	< 1.0	████████████████	
Total Toxic Representation			██████████	

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	288	300- 1200		██████████			
Magnesium	11	35- 120		██████████			
Sodium	6	12- 90		██████████			
Potassium	14	8- 38			█		
Copper	16	12- 35			█		
Zinc	270	140- 220		██████████			
Manganese	0.05	0.15- 0.65	██████████				
Chromium	0.37	0.20- 0.40			██████████		
Vanadium	0.034	0.018- 0.065			█		
Molybdenum	0.026	0.028- 0.056		██████████			
Boron	0.30	0.30- 2.0		██████████			
Iodine	0.23	0.25- 1.3		██████████			
Lithium	< 0.004	0.007- 0.023	██████████				
Phosphorus	179	160- 250			██████████		
Selenium	0.81	0.95- 1.7		██████████			
Strontium	0.38	0.50- 7.6		██████████			
Sulfur	48100	44500- 52000			█		
Barium	0.24	0.26- 3.0		██████████			
Cobalt	0.004	0.013- 0.050	██████████				
Iron	4.9	5.4- 14		██████████			
Germanium	0.024	0.045- 0.065		██████████			
Rubidium	0.009	0.007- 0.096		██████████			
Zirconium	0.060	0.020- 0.42			█		

SPECIMEN DATA

COMMENTS:
Date Collected: 7/12/2008 Sample Size: 0.203 g
Date Received: 7/21/2008 Sample Type: Head
Date Completed: 7/24/2008 Hair Color: Brown
Treatment:
Methodology: ICP-MS Shampoo:

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	26.2	4- 30
Ca/P	1.61	1- 12
Na/K	0.429	0.5- 10
Zn/Cu	16.9	4- 20
Zn/Cd	> 999	> 800

V06.99

HAIR ELEMENTS

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE		
			68 th	95 th	
Aluminum	3.1	< 7.0	██████████		
Antimony	0.011	< 0.050	●		
Arsenic	0.046	< 0.060	██████████		
Barium	0.22	< 2.0	████		
Beryllium	< 0.01	< 0.020			
Bismuth	0.030	< 2.0	●		
Cadmium	< 0.009	< 0.050			
Lead	0.33	< 0.60	██████████		
Mercury	0.33	< 0.80	██████████		
Platinum	< 0.003	< 0.005			
Thallium	< 0.001	< 0.002			
Thorium	< 0.001	< 0.002			
Uranium	0.018	< 0.060	████		
Nickel	0.03	< 0.30	██		
Silver	0.23	< 0.15	██████████		
Tin	0.04	< 0.30	██		
Titanium	0.34	< 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	155	300- 1200		██████████				
Magnesium	8	35- 120		██████████				
Sodium	6	20- 250		██████████				
Potassium	3	8- 75		██████████				
Copper	28	11- 37			██████████			
Zinc	150	140- 220			██████████			
Manganese	0.03	0.08- 0.60		██████████				
Chromium	0.43	0.40- 0.65			██████████			
Vanadium	0.023	0.018- 0.065			██████████			
Molybdenum	0.029	0.020- 0.050			██			
Boron	0.10	0.25- 1.5		██████████				
Iodine	0.47	0.25- 1.8			████			
Lithium	< 0.004	0.007- 0.020		██████████				
Phosphorus	193	150- 220			██████████			
Selenium	0.66	0.55- 1.1			██████████			
Strontium	0.14	0.50- 7.6		██████████				
Sulfur	46100	44000- 50000			██████████			
Cobalt	0.003	0.005- 0.040		██████████				
Iron	7.5	7.0- 16		██████████				
Germanium	0.024	0.030- 0.040		██████████				
Rubidium	0.010	0.007- 0.096			██████████			
Zirconium	0.021	0.020- 0.42		██████████				

SPECIMEN DATA

RATIOS

COMMENTS:

Date Collected: 12/18/2010 Sample Size: 0.196 g
 Date Received: 12/30/2010 Sample Type: Head
 Date Completed: 12/31/2010 Hair Color: Blond
 Client Reference: 4559 Treatment:
 Methodology: ICP-MS Shampoo: Neutral

V010.08

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	19.4	4- 30
Ca/P	0.803	1- 12
Na/K	2	0.5- 10
Zn/Cu	5.36	4- 20
Zn/Cd	> 999	> 800

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.0	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.037	< 0.060	
Barium (Ba)	0.29	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.009	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.35	< 0.60	
Mercury (Hg)	0.65	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.007	< 0.060	
Nickel (Ni)	0.03	< 0.30	
Silver (Ag)	0.08	< 0.15	
Tin (Sn)	0.02	< 0.30	
Titanium (Ti)	0.21	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th
Calcium (Ca)	137	300- 1200	
Magnesium (Mg)	12	35- 120	
Sodium (Na)	14	20- 250	
Potassium (K)	4	8- 75	
Copper (Cu)	28	11- 37	
Zinc (Zn)	170	140- 220	
Manganese (Mn)	0.04	0.08- 0.60	
Chromium (Cr)	0.37	0.40- 0.65	
Vanadium (V)	0.038	0.018- 0.065	
Molybdenum (Mo)	0.030	0.020- 0.050	
Boron (B)	0.13	0.25- 1.5	
Iodine (I)	0.25	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	165	150- 220	
Selenium (Se)	0.59	0.55- 1.1	
Strontium (Sr)	0.13	0.50- 7.6	
Sulfur (S)	48600	44000- 50000	
Cobalt (Co)	0.004	0.005- 0.040	
Iron (Fe)	5.5	7.0- 16	
Germanium (Ge)	0.035	0.030- 0.040	
Rubidium (Rb)	0.005	0.007- 0.096	
Zirconium (Zr)	0.025	0.020- 0.42	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 04/24/2013	Sample Size: 0.202 g	Ca/Mg	11.4
Date Received: 05/01/2013	Sample Type: Head	Ca/P	0.83
Date Completed: 05/02/2013	Hair Color:	Na/K	3.5
Methodology: ICP/MS	Treatment:	Zn/Cu	6.07
	Shampoo:	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 208

1. What are your current symptoms and health history?

2013. I have huge brainfog, so bad I almost cant do anything. Need help with everyting. Feel I cant think, remember, focus, read, understand, follow when people speak etc.. Desorientation, confusion..need someone with me when going outside. Like living in a "coma". Fatigue. Micronystagmus. Problems with brighth light, and shifting lighths. Derealisation.

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

Braces at 11- 14 years old. 9 amalgam fillings. 4 big cavitations removed in 2010.

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

I am finished.

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

Nothing.

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

I think I have about 22 shots done since childhood. I also was in an experiment for meningitis in high school. Got first 2 placebo, who had thimerosal and aluminium in it. And then got 2 real one, also with thimerosal and aluminium. Lots of people got sick of these shots..often after many years.

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

Beatine hci and digestive enzymes. thyroid medication. Stopped my supplements for a while now.

7. What is your age, height and weight?

39 years old. 166cm. 53kg.

8. Other information you feel may be relevant?

I chelated the "wrong" way the two first years. Huge doses at 100 mg ALA and DMSA. I was told so by a guy online. So I did that, and felt worse and worse, and totally collapsed. My first hairtest is after that episode. After that I have been struggeling big time. I also had a bit of amalgam left. This is now removed.

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

Norway.