

HAIR ELEMENTS

GRACEFUL EARTH INC.

Customized Dietary, Nutritional and Herbal Information
 838 Kealahou Street, Honolulu, HI 96825
 Phone: (808) 394-2832 Toll Free: (877) 697-7300
 E-mail: info@gracefulearth.com www.gracefulearth.com

CLIENT#: 31667

LAB#: H071226-0194-1
 PATIENT:
 ID: :
 SEX: Male
 AGE: 44

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	4.8	< 7.0		
Antimony	0.15	< 0.066		
Arsenic	0.073	< 0.080		
Beryllium	< 0.01	< 0.020		
Bismuth	0.024	< 2.0		
Cadmium	< 0.009	< 0.15		
Lead	2.4	< 2.0		
Mercury	0.43	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.010		
Thorium	0.001	< 0.005		
Uranium	0.009	< 0.060		
Nickel	0.08	< 0.40		
Silver	0.02	< 0.12		
Tin	0.24	< 0.30		
Titanium	0.43	< 1.0		
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	322	200- 750					
Magnesium	31	25- 75					
Sodium	11	12- 90					
Potassium	7	9- 40					
Copper	9.0	10- 28					
Zinc	170	130- 200					
Manganese	0.16	0.15- 0.65					
Chromium	0.39	0.20- 0.40					
Vanadium	0.037	0.018- 0.065					
Molybdenum	0.054	0.025- 0.064					
Boron	0.38	0.40- 3.0					
Iodine	0.79	0.25- 1.3					
Lithium	< 0.004	0.007- 0.023					
Phosphorus	149	160- 250					
Selenium	1.2	0.95- 1.7					
Strontium	0.37	0.30- 3.5					
Sulfur	45000	44500- 52000					
Barium	0.18	0.16- 1.6					
Cobalt	0.019	0.013- 0.035					
Iron	11	5.4- 13					
Germanium	0.032	0.045- 0.065					
Rubidium	0.010	0.011- 0.12					
Zirconium	0.066	0.020- 0.44					

SPECIMEN DATA			RATIOS		
COMMENTS:			ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 12/9/2007	Sample Size: 0.2 g		Ca/Mg	10.4	4- 30
Date Received: 12/26/2007	Sample Type: Head		Ca/P	2.16	0.8- 8
Date Completed: 12/31/2007	Hair Color: Blond		Na/K	1.57	0.5- 10
Client Reference:	Treatment:		Zn/Cu	18.9	4- 20
Methodology: ICP-MS	Shampoo:		Zn/Cd	> 999	> 800

V0699

1) What are your current symptoms and health history?

Health History: Healthy Athletic Active
Acute exposure to Heavy Metals through inhalation of cement dust
Initial symptoms: Extreme Airway inflammation (burning)
intense burning sensations through out body esp. skin on back
intense burning sensations in eyes
Numbness and tingling in Left hand and arm
Tachycardia, palpitations, pounding heart beat
Sense of doom, death
Nightmares
profuse night sweats
dehydration
Extreme fatigue
pimpley rash on chest
headache,
brain fog - difficult concentrating/ thinking
difficult prioritizing and organizing
easily overwhelmed
withdrawn socially

Current symptoms(10 months after exposure):

moderate airway inflammation
mild burning sensations in skin on back
Serious fatigue
brain fog - difficult concentrating/ thinking
difficult prioritizing and organizing
easily overwhelmed
withdrawn socially

2) Dental history (wisdom teeth removed? First root canal placed?

Braces? First amalgam etc...) 4 small amalgams placed around 13yrs, 4 large biting surface amalgams placed around 21years.

3) What dental work do you currently have in place? 8 amalgams What part of the dental cleanup have you completed? None

4) What dentistry did your mother have at any time before or during pregnancy? molars were covered with amalgams on most sides 1 crown and 1 bridge

5) What vaccinations have you had and when (including flu and especially travel shots)? Childhood vaccines and Flu vaccines the last 2 years

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

7) Other information you feel may be relevant? Played with mercury as a child.

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