

SEX: Male AGE: 34 Bethel, ME 04217 U.S.A.

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT μg/g	REFERENCE INTERVAL	68 th PERCENTILE 95 th
Aluminum	(AI)	0.9	The state of the s	
Antimony	(Sb)	0.012		······································
Arsenic	(As)	0.020	24420100	.
Barium	(Ba)	0.17		
Beryllium	(Be)	< 0.01	The state of the s	
Bismuth	(Bi)	< 0.002		
Cadmium	(Cd)	< 0.009	The state of the s	··············· · ····················
Lead	(Pb)	0.05		
Mercury	(Hg)	0.28		
Platinum	(Pt)	< 0.003	The second secon	
Thallium	(TI)	0.001		
Thorium	(Th)	< 0.001	The state of the s	.
Uranium	(U)	0.015	A - A - A - A - A - A - A - A - A - A -	<mark></mark>
Nickel	(Ni)	0.04		
Silver	(Ag)	0.01	AAATTA CA	
Tin	(Sn)	< 0.02	100000000000000000000000000000000000000	
Titanium	(Ti)	0.28	< 0.60	

ESSENTIAL AND OTHER ELEMENTS PERCENTILE RESULT REFERENCE 84th 97.5th 2.5th 16th 50th INTERVAL µg/g 750 200-351 (Ca) Calcium 75 25-41 (Mg) Magnesium 180 3 20-(Na) Sodium 9-80 3 (K) Potassium 30 11-16 (Cu) Copper 200 130-270 (Zn)Zinc 0.08-0.50 0.05 (Mn) Manganese 0.40-0.70 0.31 (Cr) Chromium 0.018- 0.065 0.012 (V) Vanadium 0.025- 0.060 0.026 (Mo) Molybdenum 0.40-3.0 0.48 (B) Boron 0.25-1.8 0.41 (1) lodine 0.007- 0.020 < 0.004 (Li) Lithium 220 150-154 (P) **Phosphorus** 1.2 0.70-1.1 (Se) Selenium 3.5 0.63 0.30-(Sr) Strontium 44000- 50000 49100 (S) Sulfur 0.004- 0.020 0.012 (Co) Cobalt 7.0-16 4.0 (Fe) Iron 0.030- 0.040 0.036 (Ge) Germanium 0.011-0.12 < 0.003 (Rb) Rubidium 0.020-0.44 0.009 (Zr)Zirconium

COMMENTS:

Date Collected: 04/09/2018
Date Received: 04/16/2018
Date Completed: 04/18/2018
Methodology: ICP/MS

Sample Size: 0.2 g Sample Type: Head Hair Color: Brown Treatment:

SPECIMEN DATA

Shampoo: Dr Bronners

ELEMENTS	RATIOS	RANGE
Ca/Mg	8.56	4- 30
Ca/P	2.28	0.8- 8
Na/K	1	0.5- 10
Zn/Cu	16.9	4- 20
Zn/Cd	> 999	> 800

- 1. What are your current symptoms and health history?
 - Brain fog, fatigue, muscle weakness, trouble concentrating, memory issues, dizziness, anxiety, cold, occasional tingling/numbness in fingers and toes, typical feeling of being cold. Symptoms are most noticeable midmorning until late afternoon. Symptoms started about 2 years ago and have remained steady.
- 2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)
 - 1. Wisdom teeth removed in 2004. No braces, no root canal, overall good tooth health.
- 3. What dental work do you currently have in place? What part of the dental clean-up have you completed?
 - Eight small composite/resin fillings. No amalgams.
- 4. What dentistry did your mother have at any time before or during pregnancy?
 - 1. 5-7 amalgam fillings
- 5. What vaccinations have you had and when (including flu and especially travel shots)?
 - 1. Hepatitis A 9/2016
 - 2. Influenza Quadrivalent Preservative Free 10, 2017, 9/2016, 12/2015, and most years since childhood.
 - 3. Tdap (adacel) 9/2016, 3/2007
- 6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?
 - Stopped all supplements two weeks prior to hair test, but had been taking:
 - 2. Naturemade B-Complex with C 1x/day
 - 3. Pure Formulas, ADB5-Plus 2x/day
 - 4. Fish Oil Norweigan Pure DHA
- 7. What is your age, height and weight?
 - 1. 34, male, 6'2", 190lbs
- 8. Other information you feel may be relevant?
 - 1. None
- 9. What is your location city & country (so that we can learn where certain toxins are more prevalent).
 - Chicago, IL, USA