



ID: OBERG-P-00031
 SEX: Female
 AGE: 64

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	5.5	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.012	< 0.060	
Barium (Ba)	0.41	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.45	< 2.0	
Cadmium (Cd)	0.012	< 0.050	
Lead (Pb)	0.08	< 0.60	
Mercury (Hg)	0.23	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.011	< 0.060	
Nickel (Ni)	0.09	< 0.30	
Silver (Ag)	0.01	< 0.15	
Tin (Sn)	0.12	< 0.30	
Titanium (Ti)	0.66	< 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)	726	300- 1200			
Magnesium (Mg)	96	35- 120			
Sodium (Na)	15	20- 250			
Potassium (K)	4	8- 75			
Copper (Cu)	10	11- 37			
Zinc (Zn)	160	140- 220			
Manganese (Mn)	0.09	0.08- 0.60			
Chromium (Cr)	0.34	0.40- 0.65			
Vanadium (V)	0.021	0.018- 0.065			
Molybdenum (Mo)	0.017	0.020- 0.050			
Boron (B)	5.4	0.25- 1.5			
Iodine (I)	0.37	0.25- 1.8			
Lithium (Li)	< 0.004	0.007- 0.020			
Phosphorus (P)	150	150- 220			
Selenium (Se)	0.90	0.55- 1.1			
Strontium (Sr)	1.6	0.50- 7.6			
Sulfur (S)	45100	44000- 50000			
Cobalt (Co)	0.016	0.005- 0.040			
Iron (Fe)	6.9	7.0- 16			
Germanium (Ge)	0.034	0.030- 0.040			
Rubidium (Rb)	0.004	0.007- 0.096			
Zirconium (Zr)	0.041	0.020- 0.42			

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 10/02/2018		Ca/Mg	7.56
Date Received: 10/09/2018		Ca/P	4.84
Date Completed: 10/11/2018		Na/K	3.75
Methodology: ICP/MS		Zn/Cu	16
Sample Size: 0.199 g	Sample Type: Head	Zn/Cd	> 999
Hair Color: Gray	Treatment:		
Shampoo: Jr Liggett's			
		RANGE	
		4- 30	
		1- 12	
		0.5- 10	
		4- 20	
		> 800	



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		1- 12	
		0.5- 10	
		4- 20	
		> 800	

Here are the original hair test before chelating (hair elements 8/20) and the latest hair test after chelating (Hair test - trish 10/2018).

The answers to the questions:

- 1) Have nights of not sleeping, maybe once per week. Sweating sometimes easily, other times not so well. Still have tinnitus, which can be worse on round. Tired some days with a lot of energy on some days. Have more days with more energy now after chelating at the maximum dosage of 250 mg for 6 months. Achy joints. Moves around.
- 2) All wisdom teeth removed as a Junior in high school.. Some of them impacted. Had 4 teeth extracted before starting chelating. All had root canals. Had 10 Hg fillings for 30+ years.
- 3) All amalgams replaced with ceramic. All crowns taken off, teeth cleaned and replace to make sure no amalgam under the crowns. All dental work was completed prior to January 2017. Chelating from January 2017 - for 22 months.
- 4) Have no idea what dental work my mother had when she was pregnant with me.
- 5) I had all childhood vaccinations and some adult flu shots before I knew better. I did not understand until recently that they have now replace mercury with aluminum in the current vaccinations. Will now avoid them also.
- 6) Magnesium L-Threonate - 2000 mg, Liposomal Vit. C. - 1000 mg (add more when achy), Vit. K2 - 180 mcg, EGCG - 400 mg, Krill Oil - 1000 mg, Rhodiola - 500 mg, Resveratrol - 200 mg, Zinc - 50 mg, Schizandra - 580 mg, Berberine and Micro PQQ - 500 mg, Astaxanthin - 4 mg, Ubiquinol - 100 mg, Turmeric 900mg, Selenium 200 mcg.
- 7) 64, 5'10", 173 lbs.
- 8) Adrenal fatigue?
- 9) Holland, MI - last 5 months, Englewood, FL - previous 7 months