SEX: Male AGE: 58 279 Walkers Mills Rd Bethel, ME 04217 U.S.A.

Toxic & Essential Elements; Hair

TOXIC METALS					
		RESULT µg/g	REFERENCE INTERVAL	68 th 95 th	
Aluminum	(AI)	5.6	< 7.0		
Antimony	(Sb)	0.012	< 0.066		
Arsenic	(As)	0.069	< 0.080		
Barium	(Ba)	5.0	< 1.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	< 0.002	< 2.0		
Cadmium	(Cd)	0.009	< 0.065		
Lead	(Pb)	1.2	< 0.80		
Mercury	(Hg)	0.82	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(TI)	< 0.001	< 0.002		
Thorium	(Th)	< 0.001	< 0.002		
Uranium	(U)	0.006	< 0.060		
Nickel	(Ni)	0.39	< 0.20		
Silver	(Ag)	0.03	< 0.08		
Tin	(Sn)	0.26	< 0.30		
Titanium	(Ti)	0.46	< 0.60		

ESSENTIAL AND OTHER ELEMENTS						
		RESULT μg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th		
Calcium	(Ca)	1240	200- 750			
Magnesium	(Mg)	190	25- 75			
Sodium	(Na)	32	20- 180			
Potassium	(K)	7	9- 80			
Copper	(Cu)	12	11- 30			
Zinc	(Zn)	170	130- 200	•		
Manganese	(Mn)	0.16	0.08- 0.50	•		
Chromium	(Cr)	0.44	0.40- 0.70			
Vanadium	(V)	0.13	0.018- 0.065			
Molybdenum	(Mo)	0.025	0.025- 0.060			
Boron	(B)	0.63	0.40 3.0			
lodine	(0)	0.63	D. 25- 1.8			
Lithium	(Li)	0.004	0.007- 0.020			
Phosphorus	(P)	159	150- 220			
Selenium	(Se)	0.53	0.70- 1.2			
Strontium	(Sr)	12	0.30- 3.5			
Sulfur	(S)	48600	44000- 50000			
Cobalt	(Co)	0.006	0.004-0.020			
Iron	(Fe)	8.3	7.0- 16			
Germanium	(Ge)	0.033	0.030- 0.040			
Rubidium	(Rb)	0.007	0.011- 0.12			
Zirconium	(Zr)	< 0.007	0.020- 0.44			

S	RATIOS			
COMMENTS:		ELEMENTS	RATIOS	RANGE
		Ca/Mg	6.53	4 30
Date Collected: 06/15/2018	Sample Size: 0.201 g	Ca/P	7,8	0.8-8
Date Received: 08/02/2018	Sample Type: Read	Na/K	4.57	0.5- 10
Date Completed: 08/03/2018	Hair Color: Blond	Zn/Cu	14.2	4- 20
Methodology, ICP/MS	Treatment;	Zn/Cd	> 999	■ BD31
	Shamnon Organic			

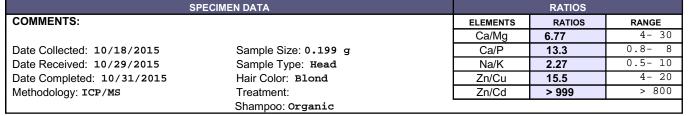
SEX: Male AGE: 55

2906 Alt 19 Palm Harbor, FL 34683 U.S.A.

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT μg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum	(AI)	3.8	< 7.0	
Antimony	(Sb)	0.010	< 0.066	
Arsenic	(As)	0.066	< 0.080	
Barium	(Ba)	7.0	< 1.0	
Beryllium	(Be)	< 0.01	< 0.020	
Bismuth	(Bi)	< 0.002	< 2.0	
Cadmium	(Cd)	< 0.009	< 0.065	
Lead	(Pb)	0.40	< 0.80	
Mercury	(Hg)	1.8	< 0.80	
Platinum	(Pt)	< 0.003	< 0.005	
Thallium	(TI)	< 0.001	< 0.002	
Thorium	(Th)	< 0.001	< 0.002	
Uranium	(U)	0.001	< 0.060	
Nickel	(Ni)	0.24	< 0.20	
Silver	(Ag)	0.05	< 0.08	
Tin	(Sn)	0.34	< 0.30	
Titanium	(Ti)	0.34	< 0.60	
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)	2100	200- 750			
Magnesium	(Mg)	310	25- 75			
Sodium	(Na)	25	20- 180			
Potassium	(K)	11	9- 80			
Copper	(Cu)	11	11- 30			
Zinc	(Zn)	170	130- 200			
Manganese	(Mn)	0.26	0.08- 0.50			
Chromium	(Cr)	0.36	0.40- 0.70			
Vanadium	(V)	0.021	0.018- 0.065			
Molybdenum	(Mo)	0.021	0.025- 0.060			
Boron	(B)	0.39	0.40- 3.0			
lodine	(I)	0.63	0.25- 1.8	•		
Lithium	(Li)	0.008	0.007- 0.020			
Phosphorus	(P)	158	150- 220			
Selenium	(Se)	0.66	0.70- 1.2			
Strontium	(Sr)	16	0.30- 3.5			
Sulfur	(S)	45200	44000- 50000			
Cobalt	(Co)	0.013	0.004- 0.020			
Iron	(Fe)	13	7.0- 16			
Germanium	(Ge)	0.032	0.030- 0.040			
Rubidium	(Rb)	0.013	0.011- 0.12			
Zirconium	(Zr)	0.010	0.020- 0.44			



Toxic & Essential Elements; Hair

TOXIC METALS					
RESULT REFERENCE PERCENTILE 11TERVAL 68" 95"					
Aluminum	(AI)	3.6	- 2.5		
Antimony	(9b)	< 0.01	- 2.248		
Arsenio	(As)	0.098	- E 9A6		
Barium	(Da)	0.96	1.0		
Beryllium	(Be)	= 0.0t	- 7.725		
Bismuth	(Bi)	0.005	- 24 #		
Cadmium.	(Cd)	0.022	4.3,065	-	
Lead	(Pb)	0.52	< 0.80		
Mercury	(Hg)	3.9	7.40		
Platinum	(Pi)	< 0.003	2.00% ·		
Thallium	(TI)	< 0.001	- 0.002		
Thorium	(Th)	= 0.001	- 5 BWI		
Uranium	(U)	0.034	v 0.260		
Nickel	(NI)	0.25			
Silver	(Ag)	0.05	- 0.00		
Tin	(Sn)	0.18	- D.3D		
Titanium	(Ti)	0.28	0.80		

ESSENTIAL AND OTHER ELEMENTS						
		RESULT	REFERENCE	£5" 16" 50" 02" 02 5"		
Calcium	(Ca)	463	200 200			
Magnesium	(Mg)	150	25 10	·		
Sodium	(Na)	36	30- 180			
Potassium	(K)	22	1 40			
Copper	(Gu)	41	22 30			
Zinc	(Zn)	140	109- 200			
Manganese	(Mn)	D.07	3.28 3.35			
Chromium	(Gr)	0.37	0.50-0.70			
Vanadium	(V)	0.025	0.016-0.055			
Molyhdenum	(Ma)	0.030	-0100F01090			
Boron	(8)	1.3	20.00- 1.0			
Iodine	(0)	0.85	0.29 1.0			
Lithium	(LI)	0.003	9.007- 9.020			
Phosphorus	(P)	144	200- E30			
Selenium	(Se)-	0.70	0.70- 1.7			
Strontium	(Sr)	3.2	0.70- 7.5			
Sulfur	(6)	46700	44000 DOIL			
Cobalt	(Co)	0.007	-2.034-3.020			
Iron	(Fe)	8.0	7.0- 06			
Germanium	(Ge)	0.026	D.D.T.C. H. SAD			
Rubidium	(Rb)	0.028	D.ULI- 0.12			
Zirconium	(Zr)	0.018	0.620 0.44			

SF SF	EGIMEN DATA	RATIOS			
COMMENTS:		ILEMENTS.	RATIOS	RANGE	
		Ca/Mg	3.09	4- 30	
Date Collected: 04/23/2014	Sample Size: 0.199 g	Ca/P	3.22	4.4	
Date Received: 05/07/2014	Sample Type: Read	Ng/K	1.64	2.5- 10	
Date Completed: 05/10/2014	Hair Color:	ZrdCu	12.7	6-50	
Methodology: ICP/ME	Treatment	Zn/Cd	> 399	- 820	
	Shampoo: Organic				

Hair Test 984

1) What are your current symptoms and health history?

- still photosensitive, less frequent migranes now of reduced intensity, more general energy, somewhat sensitive to exercise and fatigue which provoke redistribution symptoms.

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

15 amalgams in adolescence. Several were redone uncleanly 8 years ago creating major symptoms.

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

All amalgams removed cleanly, main work finished in Sept 2013

A crown was replaced in Jan 2013 and amalgam cleanly removed from below it.

Three months FDC with DMPS

Four months FDC with ALA and DMSA

Hair test 984 was done at this stage.

Three more months FDC with ALA and DMSA

Two months with ALA only. Now at 25mg/3hrs, total of 40 rounds.

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

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

Flu, Tetanus, Yellow fever 20 years ago

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 500mg 4-5 times per day (1000mg on round)

Vit E 800 IU morning

Zinc 50mg morning

Magnesium 250mg morning

Selenium 100ug morning (200ug on round)

Fish oil, occasional Taurine

Occasional ALA rounds at 25mg

7) What is your age, height and weight?

58 years old, 1m80, 55kg

8) Other information you feel may be relevant?

I became intolerant to even the smallest doses of DMSA and DMPS

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

New Caledonia, South Pacific