



SEX: Male
DOB: 02/02/2018

AGE: 7

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum	(Al)	17	< 8.0	
Antimony	(Sb)	0.11	< 0.066	
Arsenic	(As)	0.091	< 0.080	
Barium	(Ba)	0.88	< 0.75	
Beryllium	(Be)	< 0.01	< 0.020	
Bismuth	(Bi)	0.022	< 2.0	
Cadmium	(Cd)	0.064	< 0.070	
Lead	(Pb)	20	< 1.0	
Mercury	(Hg)	1.8	< 0.40	
Platinum	(Pt)	< 0.003	< 0.005	
Thallium	(Tl)	< 0.001	< 0.002	
Thorium	(Th)	0.002	< 0.002	
Uranium	(U)	0.016	< 0.060	
Nickel	(Ni)	0.27	< 0.20	
Silver	(Ag)	0.12	< 0.14	
Tin	(Sn)	0.24	< 0.30	
Titanium	(Ti)	0.84	< 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)	87	160- 500	
Magnesium	(Mg)	13	12- 50	
Sodium	(Na)	4	20- 200	
Potassium	(K)	14	12- 140	
Copper	(Cu)	28	11- 32	
Zinc	(Zn)	120	110- 190	
Manganese	(Mn)	0.91	0.08- 0.50	
Chromium	(Cr)	0.66	0.40- 0.70	
Vanadium	(V)	0.071	0.025- 0.10	
Molybdenum	(Mo)	0.10	0.040- 0.090	
Boron	(B)	1.0	0.50- 3.5	
Iodine	(I)	0.48	0.25- 1.3	
Lithium	(Li)	0.033	0.007- 0.020	
Phosphorus	(P)	139	150- 220	
Selenium	(Se)	0.75	0.70- 1.1	
Strontium	(Sr)	0.20	0.21- 2.1	
Sulfur	(S)	48500	44000- 51000	
Cobalt	(Co)	0.020	0.004- 0.020	
Iron	(Fe)	37	7.0- 16	
Germanium	(Ge)	0.034	0.030- 0.040	
Rubidium	(Rb)	0.019	0.008- 0.080	
Zirconium	(Zr)	0.048	0.060- 0.70	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 10/28/2025		Ca/Mg	6.69	4- 30
Date Received: 11/10/2025		Ca/P	0.626	0.8- 8
Date Reported: 11/11/2025		Na/K	0.286	0.5- 10
Methodology: ICP/MS		Zn/Cu	4.29	4- 20
Sample Size: 0.198 g		Zn/Cd	> 999	> 800
Sample Type: Head				
Hair Color: Brown				
Treatment:				
Shampoo:				

Feron, age 7, weight 55 lbs, height 49 1/2" or 126cm.

1. pyloric stenosis almost killed him at 3 weeks of age (like autism, most common in 1st born males) I would put my son as 5% autistic, more or less. currently battling anger management issues, lack of empathy, gut disbiosis, social anxiety, some signs of dyslexia.

2,3- No cavities- I've noted very slow tooth growth since he lost his baby teeth they continue to go missing.

4- mother had no amalgams.

5. NO vaccinations, ever

6. No medications, sporadic supplementation of C,E, Zinc, Mg, Ca

7. Age 7, 55 lbs, 49.5"

8. Pyloric stenosis likely caused by mercury load at birth. Mother was high fish consumer since young. She was also frequently exposed to solvents in a nail salon while pregnant. Feron lived on an old wooden sailboat until age 2.5, at which time he was found eating "red lead" paint from exposed (nipple like) bolt heads.

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