



LAB #: H170218-2027-1

PATIENT: [REDACTED]
 ID: [REDACTED]
 SEX: Male
 AGE: 8

SCANNED
 3/2/17

CLIENT #: 33708

DOCTOR: Katia Meier, MD
 Clear Sky Medical
 9085 E Mineral Circle Panorama Falls 260
 Centennial, CO 80112 U.S.A.

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.6	< 8.0	
Antimony (Sb)	0.036	< 0.066	
Arsenic (As)	0.072	< 0.080	
Barium (Ba)	0.15	< 0.75	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.003	< 2.0	
Cadmium (Cd)	< 0.009	< 0.070	
Lead (Pb)	0.34	< 1.0	
Mercury (Hg)	0.04	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	0.001	< 0.002	
Uranium (U)	0.029	< 0.060	
Nickel (Ni)	0.04	< 0.20	
Silver (Ag)	0.09	< 0.14	
Tin (Sn)	0.08	< 0.30	
Titanium (Ti)	0.22	< 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)	112	160- 500	
Magnesium (Mg)	21	12- 50	
Sodium (Na)	12	20- 200	
Potassium (K)	8	12- 140	
Copper (Cu)	41	11- 32	
Zinc (Zn)	140	110- 190	
Manganese (Mn)	0.15	0.08- 0.50	
Chromium (Cr)	0.53	0.40- 0.70	
Vanadium (V)	0.090	0.025- 0.10	
Molybdenum (Mo)	0.079	0.040- 0.090	
Boron (B)	0.37	0.50- 3.5	
Iodine (I)	0.54	0.25- 1.3	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	149	150- 220	
Selenium (Se)	1.2	0.70- 1.1	
Strontium (Sr)	0.19	0.21- 2.1	
Sulfur (S)	48300	44000- 51000	
Cobalt (Co)	0.004	0.004- 0.020	
Iron (Fe)	10	7.0- 16	
Germanium (Ge)	0.036	0.030- 0.040	
Rubidium (Rb)	0.016	0.008- 0.080	
Zirconium (Zr)	0.020	0.060- 0.70	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 02/02/2017	Sample Size: 0.201 g	Ca/Mg	5.33
Date Received: 02/18/2017	Sample Type: Head	Ca/P	0.752
Date Completed: 02/21/2017	Hair Color: Brown	Na/K	1.5
Methodology: ICP/MS	Treatment:	Zn/Cu	3.41
	Shampoo: Alaffia Childrens	Zn/Cd	> 999
		RANGE	
			4- 30
			0.8- 8
			0.5- 10
			4- 20
			> 800

What are your current symptoms and health history?

9 year old boy. Stimming since 2 years old; continues to stim after 2.5 years of chelation. Had some vaccinations until 2.5 years old including Dtap and Polio. Has food intolerances to dairy and gluten (dairy causes eczema). Has had sensory processing disorders though has improved a lot and is active riding horses/scootering.

Do not think there are any learning disabilities.

Socially pretty typical though somewhat "shy" - socially has improved a lot since start of chelation. Tends to get frustrated easily and upset. Tends to lean towards irritability but generally okay.

Major reason we started chelation was trying to solve stimming. It has improved over past 2.5 years but he still does it (though is much more private about it)

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

No amalgams - has had composite fillings at biodentist

What dental work do you currently have in place? What part of the dental clean-up have you completed?

9 year old - only composite fillings

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

Mom had approx. 6+ amalgam fillings in place pre and post pregnancy (had a few fillings removed while breastfeeding with only dental dam in place)

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

2 flu shots (6 mos and 1 yr); dtap; polio (NO MMR)

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

Vita C (1,000mg/day)
Vita E (400day)
Zinc (45mg day)
Mag Citrate (2,000 mg/day)
milk thistle
fish oil

What is your age, height and weight?

9 year old male, 53", 62 lbs

Other information you feel may be relevant?

Mom had tetanus booster when 2-3 days pregnant

Child has chelated since Sept. 2015 using 25mg DMSA and worked up to 25 mg ALA. During 2016 used DMSA 1x/month

This is 2nd hair test... 1st was from August 2015

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

Lakewood, CO USA (suburb of Denver)