



SEX: Male  
AGE: 1

### Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	11	< 8.0	
Antimony (Sb)	0.017	< 0.066	
Arsenic (As)	0.088	< 0.080	
Barium (Ba)	0.17	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.016	< 2.0	
Cadmium (Cd)	0.050	< 0.070	
Lead (Pb)	0.33	< 1.0	
Mercury (Hg)	0.17	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.47	< 0.060	
Nickel (Ni)	0.06	< 0.20	
Silver (Ag)	0.10	< 0.20	
Tin (Sn)	0.17	< 0.30	
Titanium (Ti)	0.36	< 1.0	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>		
Calcium (Ca)	183	125- 370			
Magnesium (Mg)	11	12- 30			
Sodium (Na)	41	20- 200			
Potassium (K)	77	12- 200			
Copper (Cu)	13	11- 18			
Zinc (Zn)	68	100- 190			
Manganese (Mn)	0.11	0.10- 0.50			
Chromium (Cr)	0.38	0.43- 0.80			
Vanadium (V)	0.031	0.030- 0.10			
Molybdenum (Mo)	0.14	0.050- 0.13			
Boron (B)	0.66	0.70- 5.0			
Iodine (I)	1.1	0.25- 1.3			
Lithium (Li)	0.029	0.007- 0.020			
Phosphorus (P)	135	150- 220			
Selenium (Se)	0.69	0.70- 1.1			
Strontium (Sr)	0.16	0.16- 1.0			
Sulfur (S)	50500	45500- 53000			
Cobalt (Co)	0.021	0.004- 0.020			
Iron (Fe)	11	7.0- 16			
Germanium (Ge)	0.032	0.030- 0.040			
Rubidium (Rb)	0.094	0.016- 0.18			
Zirconium (Zr)	0.035	0.040- 1.0			

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		<b>ELEMENTS</b>	<b>RATIOS</b>	<b>RANGE</b>
Date Collected: 11/29/2015		Ca/Mg	16.6	4- 30
Date Received: 12/10/2015		Ca/P	1.36	0.8- 8
Date Completed: 12/12/2015		Na/K	0.532	0.5- 10
Methodology: ICP/MS		Zn/Cu	5.23	4- 20
Sample Size: 0.205 g		Zn/Cd	> 999	> 800
Sample Type: Head				
Hair Color:				
Treatment:				
Shampoo:				

## **Health history for hair test 1171**

### **What are your current symptoms and health history?**

Inability to speak (the most worrying one). No words at all (despite constant vocabulary/speech stimulation, engaging in play, world describing and trials to evoke dialogue). Sometimes babbling, sometimes screaming (when extremely happy or angry i.e. when he cannot get what he wants). Some days fatigue, other days ADHD. Once he gets mad, it's difficult to calm him down. He wakes up at least a few times during the night (he is not able to sleep the entire night; I've read 2 books about it but both strategies failed).

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

None. He has never visited a dentist.

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

None.

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

Amalgam fillings removed approx. 20 years before pregnancy. Since then only composite (white) were used.

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

07.08.2014 - (after birth) Hepatitis type B + Bacillus Calmette-Guérin  
23.10.2014 - Tetanus, Diphtherie, Pertussis, Poliomyelitis, Haemophilus influenzae b (Hib), Hepatitis B  
23.01.2015 - Tetanus, Diphtherie, Pertussis, Poliomyelitis, Haemophilus influenzae b (Hib), Hepatitis B, Pneumokokken [Prevenar13 J74077 + HEXYON L0008-1 6380-A]  
24.02.2015 - Tetanus, Diphtherie, Pertussis, Poliomyelitis, Haemophilus influenzae b (Hib), Pneumokokken [Prevenar13 J74077 + HEXYON L0008-1 6380-A]  
27.03.2015 - Pneumokokken [Prevenar13 J95176]  
29.07.2015 - Mumps, Roteln (MMR), Varizellen [Varilrix A70CC584A + Priorix A69CD921A]  
01.09.2015 - Meningokokken [NeisVac-C Baxter VNS1P10A]  
01.10.2015 - Mumps, Roteln (MMR), Varizellen, [Priorix A71CA896A]  
10.11.2015 - Tetanus, Diphtherie, Pertussis, Poliomyelitis, Haemophilus influenzae b (Hib), Hepatitis B, Pneumokokken [Prenevar13 M10951 + Infanrix hexa A21CC484A]  
That's all.

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

None.

### **What is your age, height and weight?**

1 year (15 months), 10,1 kg, 77cm

### **Other information you feel may be relevant?**

Nothing. We don't see any sources of Mercury in our environment.

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

Born in Poland(Augustow), but last year living in Bayreuth, Germany.