



SEX: Male  
AGE: 4

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	22	< 8.0	
Antimony (Sb)	0.25	< 0.066	
Arsenic (As)	0.14	< 0.080	
Barium (Ba)	0.66	< 0.50	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.013	< 2.0	
Cadmium (Cd)	0.19	< 0.070	
Lead (Pb)	7.1	< 1.0	
Mercury (Hg)	1.5	< 0.40	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.002	< 0.002	
Thorium (Th)	0.002	< 0.002	
Uranium (U)	0.002	< 0.060	
Nickel (Ni)	0.35	< 0.20	
Silver (Ag)	0.14	< 0.20	
Tin (Sn)	0.50	< 0.30	
Titanium (Ti)	0.89	< 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)	446	125- 370					
Magnesium (Mg)	19	12- 30					
Sodium (Na)	240	20- 200					
Potassium (K)	520	12- 200					
Copper (Cu)	12	11- 18					
Zinc (Zn)	150	100- 190					
Manganese (Mn)	0.47	0.10- 0.50					
Chromium (Cr)	0.44	0.43- 0.80					
Vanadium (V)	0.16	0.030- 0.10					
Molybdenum (Mo)	0.088	0.050- 0.13					
Boron (B)	3.3	0.70- 5.0					
Iodine (I)	5.1	0.25- 1.3					
Lithium (Li)	0.014	0.007- 0.020					
Phosphorus (P)	137	150- 220					
Selenium (Se)	0.64	0.70- 1.1					
Strontium (Sr)	0.55	0.16- 1.0					
Sulfur (S)	46300	45500- 53000					
Cobalt (Co)	0.036	0.004- 0.020					
Iron (Fe)	10	7.0- 16					
Germanium (Ge)	0.037	0.030- 0.040					
Rubidium (Rb)	0.79	0.016- 0.18					
Zirconium (Zr)	0.024	0.040- 1.0					

SPECIMEN DATA		RATIOS		
<b>COMMENTS:</b>		ELEMENTS	RATIOS	RANGE
Date Collected: 09/30/2015	Sample Size: 0.203 g	Ca/Mg	23.5	4- 30
Date Received: 10/24/2015	Sample Type: Head	Ca/P	3.26	0.8- 8
Date Completed: 10/28/2015	Hair Color: Black	Na/K	0.462	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	12.5	4- 20
	Shampoo: Zwitsal	Zn/Cd	789	> 800

Name of Child (in BLOCK LETTERS)

ELMALQUE DZEKO NUGROHO

Sex

M.

Date of Birth

4. 4. 2011

Country of Birth

SINGAPORE

Birth Certificate No.

T1108895Z

PARTICULARS OF VACCINATION

Type	Date Administered
1. BCG	5.4.11
2. DPT/Polio or DT/Polio* - 1st + Hib	11.7.11
DPT/Polio or DT/Polio* - 2nd "	8.8.11
DPT/Polio or DT/Polio* - 3rd "	10.10.11
DPT/Polio or DT/Polio* - 1st Booster	8.10.12
DT/Polio* - 2nd Booster	
3. Measles or Measles/Mumps/Rubella*	7.5.12
4. <del>Rubella</del> 2nd Measles/Mumps/Rubella	14.1.13
5. Hepatitis B - 1st	4.4.11
- 2nd	4.5.11
- 3rd	10.10.11
- Booster	

Medical Practitioner :

*(Signature)*

Dr Sim Sze Keen  
MBBS, MMed (Paeds), FAMC

Paediatric & Child Clinic

## Hair test 1141

1. What are your current symptoms and health history?
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)
3. What dental work do you currently have in place? What part of the dental clean-up have you completed?
4. What dentistry did your mother have at any time before or during pregnancy?
5. What vaccinations have you had and when (including flu and especially travel shots)?
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?
7. What is your age, height and weight?
8. Other information you feel may be relevant?
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent).

1. Difficulty in respond to questions/speaking/communication, only able to mimic a few words, able to follow simple instruction.

2. There is no history of dental yet, age 4++
3. None at the momment.
4. None
5. attached
6. Pure Advantages B12 spray. Jarrow formula Methyl Folate finnish.
7. 4++ years old, height of 100 cm, weight of 16 Kg
8. Quite active physically, we attempted to reduce sugar in his food.
9. Singapore, Singapore