

HAIR ELEMENTS



PATIENT: Number 479
SEX: Female
AGE: 8
LOCATION: Penang, Malaysia

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	6.4	< 8.0		
Antimony	0.038	< 0.066		
Arsenic	0.11	< 0.060		
Barium	0.54	< 1.5		
Beryllium	< 0.01	< 0.020		
Bismuth	0.052	< 2.0		
Cadmium	0.017	< 0.070		
Lead	0.65	< 0.80		
Mercury	1.4	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.008	< 0.060		
Nickel	0.49	< 0.30		
Silver	0.03	< 0.18		
Tin	0.18	< 0.30		
Titanium	0.69	< 0.70		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	355	250- 800					
Magnesium	17	25- 90					
Sodium	82	18- 180					
Potassium	230	10- 90					
Copper	8.6	11- 37					
Zinc	93	120- 220					
Manganese	0.18	0.08- 0.60					
Chromium	0.40	0.40- 0.65					
Vanadium	0.054	0.025- 0.10					
Molybdenum	0.10	0.030- 0.090					
Boron	1.1	0.30- 1.7					
Iodine	0.55	0.25- 1.3					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	173	150- 220					
Selenium	0.71	0.70- 1.1					
Strontium	0.32	0.37- 3.6					
Sulfur	45200	44000- 51000					
Cobalt	0.006	0.005- 0.035					
Iron	17	7.0- 16					
Germanium	0.027	0.030- 0.040					
Rubidium	0.35	0.008- 0.080					
Zirconium	0.055	0.030- 0.40					

SPECIMEN DATA

COMMENTS:

Date Collected: 4/20/2011
Date Received: 5/14/2011
Date Completed: 5/15/2011
Client Reference: 1276374
Methodology: ICP-MS

Sample Size: 0.197 g
Sample Type: Head
Hair Color:
Treatment:
Shampoo:

V010.08

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	20.9	4- 30
Ca/P	2.05	1- 12
Na/K	0.357	0.5- 10
Zn/Cu	10.8	4- 20
Zn/Cd	> 999	> 800

Health history for Hair test 479

1. **What are your current symptoms and health history?** ADHD, nasal allergy, dry eyes, partial eclipse
2. **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)** First tooth fell out at 6 years old. One cavity (dentist says to leave alone and extract at 11 years old).
3. **What dental work do you currently have in place? What part of the dental clean-up have you completed?** White filling
4. **What dentistry did your mother have at any time before or during pregnancy?** Don't remember
5. **What vaccinations have you had and when (including flu and especially travel shots)?** BCG (AT BIRTH), HEP B (0,2&5 MTH),DPT/HIB&OPV (2,3&5 MTH),MMR (1YR),DT(18MTH,7YRS)
6. **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?** CONCERTA 18MG,XYZAL 10MG
7. **What is your age, height and weight?** 8 YRS, 125CM, 21KGS.
8. **Other information you feel may be relevant?** Mother has amalgam
9. **What is your location – city & country (so that we can learn where certain toxins are more prevalent).** Penang, Malaysia