

HAIR ELEMENTS



PATIENT: Number 311
SEX: Female
AGE: 2
LOCATION: KOLKATA, INDIA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	6.1	< 8.0		
Antimony	0.12	< 0.066		
Arsenic	0.060	< 0.080		
Barium	0.59	< 0.75		
Beryllium	< 0.01	< 0.020		
Bismuth	0.020	< 2.0		
Cadmium	0.14	< 0.070		
Lead	2.3	< 1.0		
Mercury	0.11	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.069	< 0.060		
Nickel	0.18	< 0.30		
Silver	0.46	< 0.20		
Tin	0.33	< 0.30		
Titanium	0.86	< 0.90		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	329	140- 500					
Magnesium	23	15- 45					
Sodium	180	18- 180					
Potassium	150	10- 150					
Copper	14	11- 24					
Zinc	190	100- 190					
Manganese	0.34	0.10- 0.50					
Chromium	0.34	0.43- 0.70					
Vanadium	0.048	0.030- 0.10					
Molybdenum	0.049	0.050- 0.13					
Boron	2.5	0.40- 3.5					
Iodine	0.37	0.25- 1.3					
Lithium	0.008	0.007- 0.020					
Phosphorus	260	150- 220					
Selenium	0.76	0.70- 1.1					
Strontium	0.64	0.19- 2.0					
Sulfur	46900	45500- 53000					
Cobalt	0.005	0.005- 0.030					
Iron	9.0	7.0- 16					
Germanium	0.027	0.030- 0.040					
Rubidium	0.25	0.012- 0.16					
Zirconium	0.048	0.030- 1.0					

SPECIMEN DATA

COMMENTS:

Date Collected: 8/17/2009 Sample Size: 0.2 g
 Date Received: 8/21/2009 Sample Type: Head
 Date Completed: 8/24/2009 Hair Color: Black
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo:

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	14.3	4- 30
Ca/P	1.27	1- 12
Na/K	1.2	0.5- 10
Zn/Cu	13.6	4- 20
Zn/Cd	> 999	> 800

V010.08

Health history for hair test 310

Please find attached my daughter's hair test results from Doctor Data for your interpretation. I have also tried to answer all your questions to the best of my abilities below (all answers are for my daughter and not myself):-

- 1) What are your current symptoms and health history? **SPEECH DELAYED WITH MISARTICULATION / PHONOLOGICAL DISORDER, SOME STAMMERING, PERHAPS A SLIGHTLY WEAKER IMMUNE RESPONSE (CATCHES COLD/COUGH QUITE OFTEN. NO OTHER COMPLICATIONS)**
- 2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...) **NO DENTAL WORK DONE AT ALL**
- 3) What dental work do you currently have in place? What part of the dental cleanup have you completed? **NOT APPLICABLE**
- 4) What dentistry did your mother have at any time before or during pregnancy? **HAD BRACES FOR 2 YRS BUT THAT WAS 7 YRS BEFORE PREGNANCY**
- 5) What vaccinations have you had and when (including flu and especially travel shots)? **NO TRAVEL SHOTS BUT VACCINATIONS GIVEN INCLUDE BCG, TPD, MMR, HEPATITIS B, FLU, ETC. FIRST VACCINATION (HEPATITIS B GIVEN 14 DAYS AFTER BIRTH)**
- 6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? **NOTHING SUBSTANTIAL, JUST THE ODD MEDICATION FOR COLD/COUGH**
- 7) What is your age, height and weight? **2.8 YRS, 95 CMS, 14 KGS**
- 8) Other information you feel may be relevant? **GETTING ONE-ON-ONE SPEECH THERAPY AND FISH OILS SUPPLEMENTATION. THINKING OF ADDING VIT E**
- 9) What is your location – city & country **KOLKATA, INDIA**