

HAIR ELEMENTS



PATIENT: Number 260a
SEX: Male
AGE: 3
LOCATION: Port-Harcourt, Nigeria

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	37	< 8.0		
Antimony	0.39	< 0.066		
Arsenic	0.060	< 0.080		
Barium	2.7	< 0.50		
Beryllium	< 0.01	< 0.020		
Bismuth	0.067	< 2.0		
Cadmium	0.14	< 0.070		
Lead	14	< 1.0		
Mercury	0.27	< 0.40		
Platinum	< 0.003	< 0.005		
Thallium	0.003	< 0.002		
Thorium	0.005	< 0.002		
Uranium	0.008	< 0.060		
Nickel	0.88	< 0.20		
Silver	0.35	< 0.20		
Tin	0.66	< 0.30		
Titanium	1.5	< 1.0		
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	577	125- 370					
Magnesium	97	12- 30					
Sodium	110	20- 200					
Potassium	160	12- 200					
Copper	35	11- 18					
Zinc	95	100- 190					
Manganese	1.5	0.10- 0.50					
Chromium	0.95	0.43- 0.80					
Vanadium	0.21	0.030- 0.10					
Molybdenum	0.15	0.050- 0.13					
Boron	2.0	0.70- 5.0					
Iodine	0.65	0.25- 1.3					
Lithium	0.024	0.007- 0.020					
Phosphorus	163	150- 220					
Selenium	0.94	0.70- 1.1					
Strontium	1.4	0.16- 1.0					
Sulfur	42900	45500- 53000					
Cobalt	0.070	0.004- 0.020					
Iron	57	7.0- 16					
Germanium	0.031	0.030- 0.040					
Rubidium	0.62	0.016- 0.18					
Zirconium	0.83	0.040- 1.0					

SPECIMEN DATA

COMMENTS: 1190104 Results checked.
 Date Collected: 6/30/2009 Sample Size: 0.201 g
 Date Received: 7/6/2009 Sample Type: Head
 Date Completed: 7/9/2009 Hair Color: Black
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo: Bathing Soap

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	5.95	4- 30
Ca/P	3.54	0.8- 8
Na/K	0.688	0.5- 10
Zn/Cu	2.71	4- 20
Zn/Cd	679	> 800

Health history for hair test 260

My son is three years old has developmental delay and idiopathic seizures.
For the seizures he is taking carbamazepine and phenobarbitone.
There is no history of dental work in the child or in the mother during his pregnancy.

History of vaccinations:

- mom had rhogam before birth of child,
- child had hep b at birth and 3 doses thereafter, 4 doses of hib vaccine, 4 doses of DPT and OPV, 1 of BCG(tuberculosis) and 1 of measles.
- adverse reaction to DPT- fever and marked irritability.

Child taken off supplements about three months before test was taken.
Patient was on the specific carbohydrate diet at time of test.
Patient has low muscle tone.

Added note after DDI test.

The DDI test was done after the initial hair test (see next page)
At the time of the DDI test he was on Adrenal Cortex.



Foresight

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Ref. : 1095m

30 January 2009

Name : Number 260

Age : 3.3

Test No. 1

Hair Analysis Results

	Your results	Recommended Values	
Calcium:	387	400	mg/kg
Magnesium:	66.8	35	mg/kg
Potassium:	939.2	75	mg/kg
Iron:	254.1	30	mg/kg
Chromium:	3.94	0.80	mg/kg
Cobalt:	1.00	0.25	mg/kg
Copper:	34.5	20.0	mg/kg
Manganese:	8.95	1.50	mg/kg
Nickel:	2.09	0.80	mg/kg
Selenium:	1.38	2.00	mg/kg
Zinc:	139	175	mg/kg
		Threshold values	
Aluminium:	10.08	2.00	mg/kg
Cadmium:	0.25	0.12	mg/kg
Mercury:	0.06	0.14	mg/kg
Lead:	8.92	1.00	mg/kg
Molybdenum:		-	mg/kg
Vanadium:		-	mg/kg
Sodium:	921.26	-	mg/kg
Sulphur:	0.00	-	mg/kg
Phosphorus:	0	-	mg/kg
Antimony:	0	-	mg/kg
Tin:	0	-	mg/kg