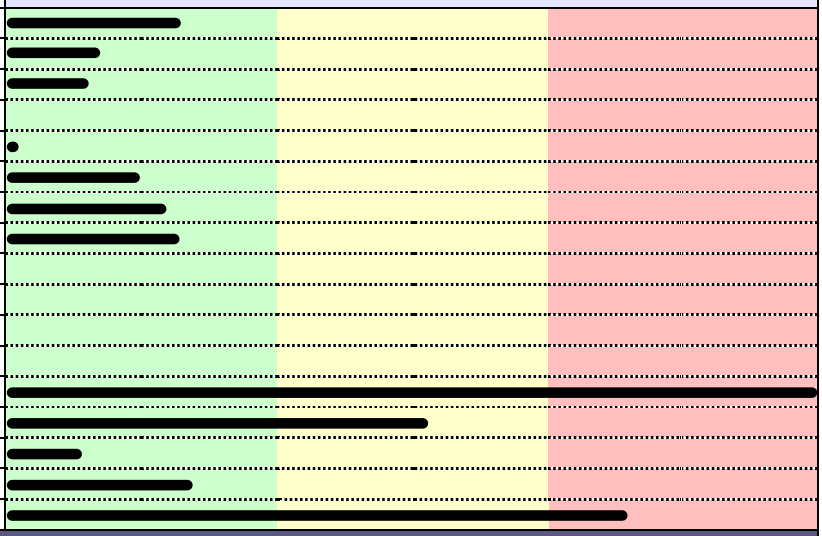
HAIR ELEMENTS

PATIENT: Number 118
SEX: Female
AGE: 56
Location: Cape Town, RSA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE
Aluminum	**7.6**	< 12
Antimony	**0.026**	< 0.060
Arsenic	**0.032**	< 0.090
Beryllium	**< 0.01**	< 0.020
Bismuth	**0.011**	< 2.0
Cadmium	**0.052**	< 0.10
Lead	**0.58**	< 1.0
Mercury	**0.70**	< 1.1
Platinum	**< 0.003**	< 0.005
Thallium	**< 0.001**	< 0.010
Thorium	**< 0.001**	< 0.005
Uranium	**< 0.001**	< 0.060
Nickel	**5.0**	< 0.40
Silver	**0.40**	< 0.10
Tin	**0.09**	< 0.30
Titanium	**0.69**	< 1.0
Total Toxic Representation		

PERCENTILE (68th, 95th)



ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE
Calcium	**1080**	475- 1500
Magnesium	**300**	45- 180
Sodium	**110**	24- 180
Potassium	**27**	20- 80
Copper	**13**	9.0- 24
Zinc	**180**	130- 200
Manganese	**0.78**	0.20- 0.65
Chromium	**0.51**	0.20- 0.45
Vanadium	**0.037**	0.018- 0.065
Molybdenum	**0.032**	0.040- 0.10
Boron	**0.65**	0.70- 4.0
Iodine	**0.23**	0.25- 1.3
Lithium	**0.015**	0.008- 0.040
Phosphorus	**290**	350- 600
Selenium	**0.91**	0.95- 1.7
Strontium	**2.4**	1.0- 8.0
Sulfur	**45700**	43000- 50000
Barium	**0.63**	0.50- 5.0
Cobalt	**0.040**	0.013- 0.050
Iron	**53**	5.8- 14
Germanium	**0.037**	0.045- 0.065
Rubidium	**0.032**	0.030- 0.25
Zirconium	**0.37**	0.040- 1.0

PERCENTILE (2.5th, 16th, 50th, 84th, 97.5th)

SPECIMEN DATA

COMMENTS:

Date Collected:	**9/30/2007**	Sample Size:	**0.205 g**
Date Received:	**10/5/2007**	Sample Type:	**Pubic**
Date Completed:	**10/8/2007**	Hair Color:	**Red**
		Treatment:	
Methodology:	**ICP-MS**	Shampoo:	**Golden New Life**

V06.99

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	**3.6**	4- 30
Ca/P	**3.72**	1- 12
Na/K	**4.07**	0.5- 10
Zn/Cu	**13.8**	4- 20
Zn/Cd	**> 999**	> 800

©DOCTOR'S DATA, INC. • ADDRESS: 3755 Illinois Avenue, St. Charles, IL 60174-2420 • CLIA ID NO: 14D0646470 • MEDICARE PROVIDER NO: 148453