



TRACE ELEMENTS

4501 Sunbelt Drive - Addison, Tx - 75001 - U.S.A

LABORATORY NO.:

1275412

PROFILE NO.:

2

SAMPLE TYPE:

SCALP

PATIENT:

AGE: 45

SEX: M

METABOLIC TYPE:

SLOW 3

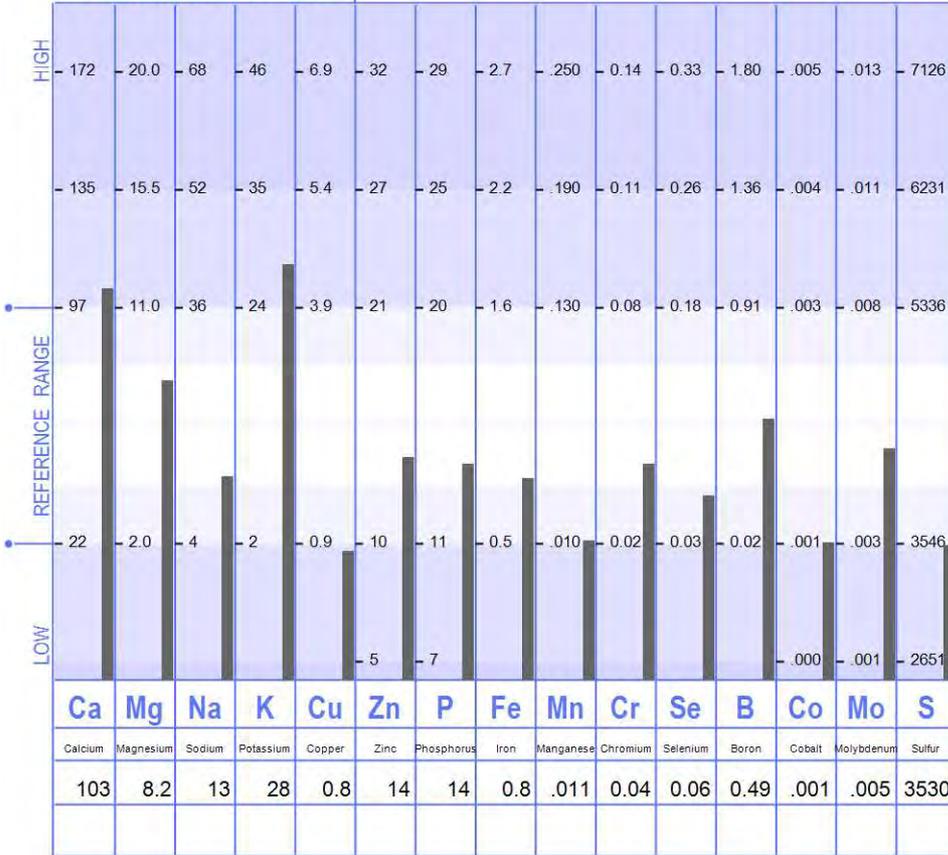
REQUESTED E

ACCOUNT NO.: 3362

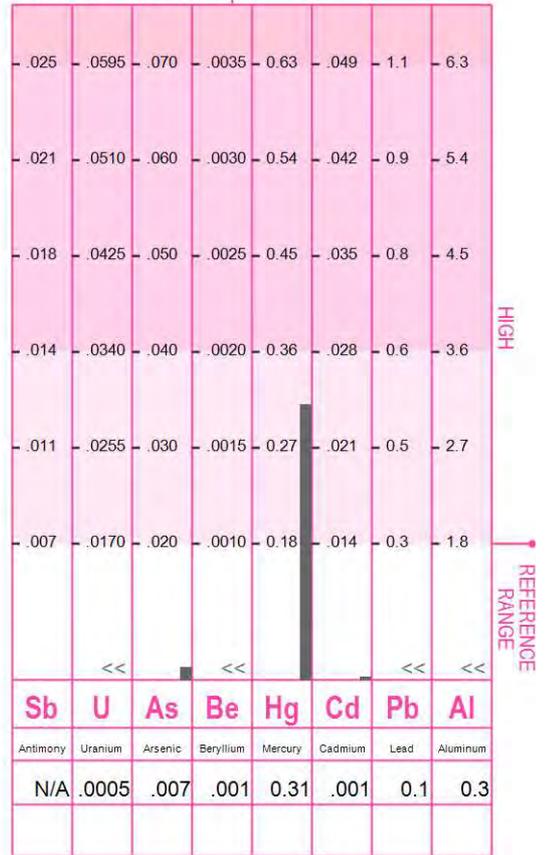
DATE:

15/10/2015

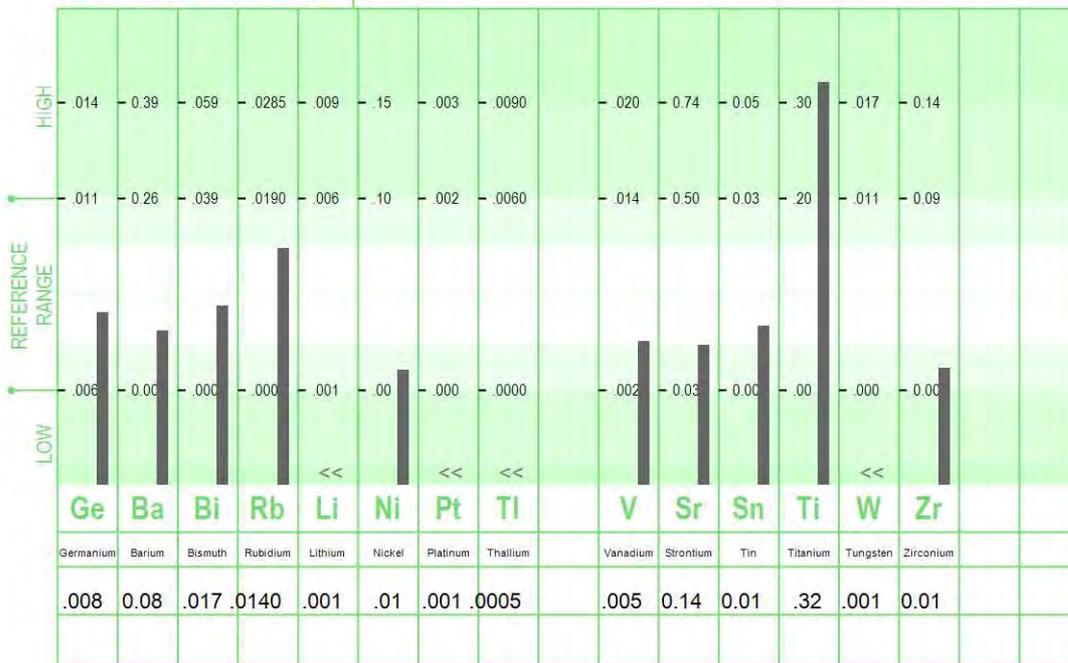
NUTRITIONAL ELEMENTS



TOXIC ELEMENTS



ADDITIONAL ELEMENTS



"<<": Below Calibration Limit, Value Given Is Calibration Limit

"QNS": Sample Size Was Inadequate For Analysis.

"N/A": Currently Not Available

Ideal Levels And Interpretation Have Been Based On Hair Samples Obtained From The Mid-Parietal To The Occipital Region Of The Scalp.

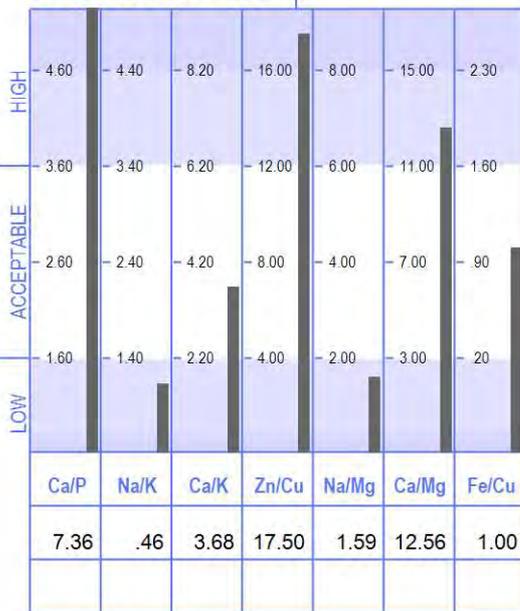
Laboratory Analysis Provided by Trace Elements, Inc. an H. H. S. Licensed Clinical Laboratory. No. 45 D0481787

15/10/2015

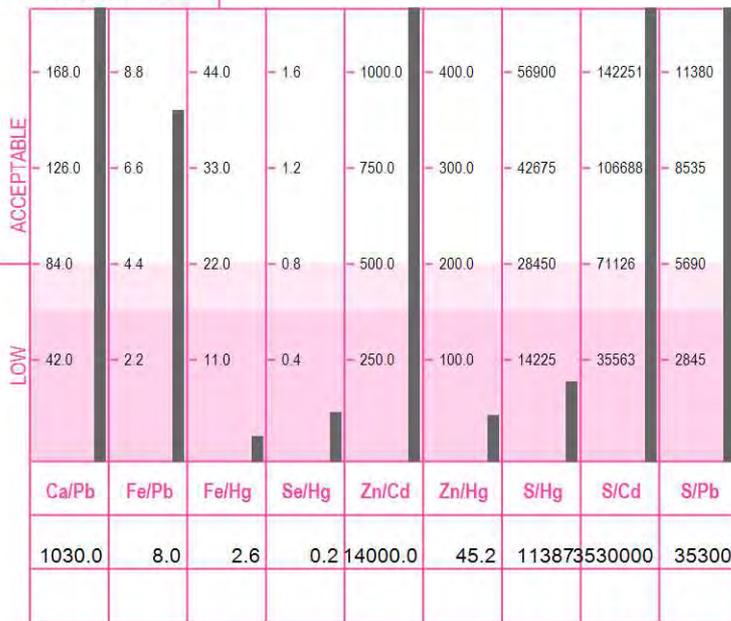
CURRENT TEST RESULTS

PREVIOUS TEST RESULTS

SIGNIFICANT RATIOS



TOXIC RATIOS



ADDITIONAL RATIOS

RATIO	COMPARATED VALUES		SUGGESTED
	Current	Previous	
Ca/Sr	735.71		131/1
Cr/V	8.00		13/1
Cu/Mo	160.00		625/1
Fe/Co	800.00		440/1
K/Co	28000.00		2000/1
K/Li	28000.00		2500/1
Mg/B	16.73		40/1
S/Cu	4412.50		1138/1
Se/Tl	120.00		37/1
Se/Sn	6.00		0.67/1
Zn/Sn	1400.00		167/1

LEVELS

All mineral levels are reported in milligrams percent (milligrams per one-hundred grams of hair). One milligram percent (mg%) is equal to ten parts per million (ppm).

NUTRITIONAL ELEMENTS

Extensively studied, the nutrient elements have been well defined and are considered essential for many biological functions in the human body. They play key roles in such metabolic processes as muscular activity, endocrine function, reproduction, skeletal integrity and overall development.

TOXIC ELEMENTS

The toxic elements or "heavy metals" are well-known for their interference upon normal biochemical function. They are commonly found in the environment and therefore are present to some degree, in all biological systems. However, these metals clearly pose a concern for toxicity when accumulation occurs to excess.

ADDITIONAL ELEMENTS

These elements are considered as possibly essential by the human body. Additional studies are being conducted to better define their requirements and amounts needed.

RATIOS

A calculated comparison of two elements to each other is called a ratio. To calculate a ratio value, the first mineral level is divided by the second mineral level.

EXAMPLE: A sodium (Na) test level of 24 mg% divided by a potassium (K) level of 10 mg% equals a Na/K ratio of 2.4 to 1.

SIGNIFICANT RATIOS

If the synergistic relationship (or ratio) between certain minerals in the body is disturbed, studies show that normal biological functions and metabolic activity can be adversely affected. Even at extremely low concentrations, the synergistic and/or antagonistic relationships between minerals still exist, which can indirectly affect metabolism.

TOXIC RATIOS

It is important to note that individuals with elevated toxic levels may not always exhibit clinical symptoms associated with those particular toxic minerals. However, research has shown that toxic minerals can also produce an antagonistic effect on various essential minerals eventually leading to disturbances in their metabolic utilization.

ADDITIONAL RATIOS

These ratios are being reported solely for the purpose of gathering research data. This information will then be used to help the attending health-care professional in evaluating their impact upon health.

REFERENCE RANGES

Generally, reference ranges should be considered as guidelines for comparison with the reported test values. These reference ranges have been statistically established from studying an international population of "healthy" individuals.

Important Note: The reference ranges should not be considered as absolute limits for determining deficiency, toxicity or acceptance.

History for hair test 1137

What are your current symptoms and health history?

- memory issue sometime
- Could felt low energy by 4pm on a normal workday
- dry skin especially around knee area.
- biological clock disturbed and has to take melatonin , about 1mg.
- felt cold easily.
- at times heart may race.
- frequent urination at night
- after reading amalgam illness, i realised i have hypoglycemia, HBA1c at 4.9

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

- suspect at least 4 amalgam teeth. All 4 wisdom tooth (2 upper and 2 lower) was removed by age 18.

What dental work do you currently have in place? What part of the dental clean-up have you completed?

- I will be having a dental revision Nov 2015.
- What dentistry did your mother have at any time before or during pregnancy?
- None

What vaccinations have you had and when (including flu and especially travel shots)?

- Please refer to the below URL for Singapore vaccination...too long for me to list.
<http://www.kkh.com.sg/HealthPedia/Pages/ChildhoodIllnessesVaccinations.aspx>
- Took flu shots before in Y2014.

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken?

- Multi Vitamin Tab, Potassium & Mg citrate, and Vit C ascorbic acid.

What is your age, height and weight?

- Age 45 years, Height 1.8 meters, weight 68 Kg.

Other information you feel may be relevant?

What is your location – city & country (so that we can learn where certain toxins are more prevalent.

- We live in Singapore. Fluoride water, however, i started distill water since Y2014.