

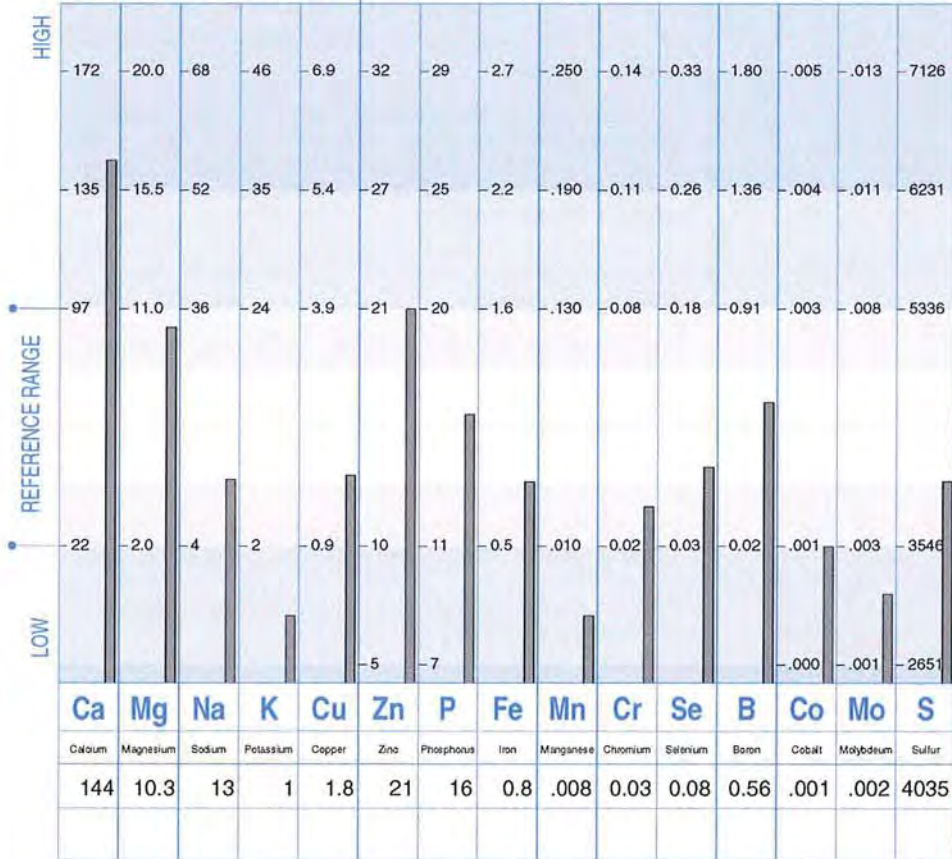


**Tei TRACE ELEMENTS, INC.**

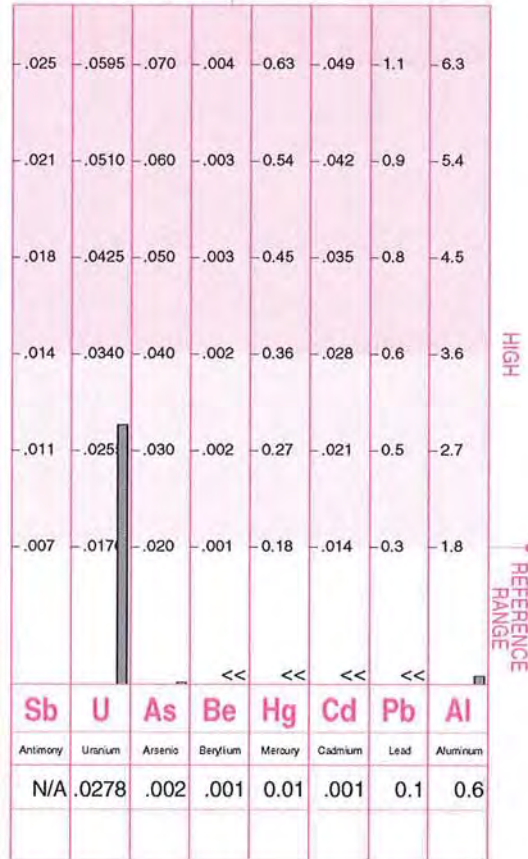
4501 Sunbelt Drive - Addison, Tx - 75001 - U.S.A.

LABORATORY NO.: 1169365	
PROFILE NO.: 2	SAMPLE TYPE: SCALP
AGE: 56	SEX: M
METABOLIC TYPE: SLOW 1	
ACCOUNT NO.: 5862	DATE: 11/7/2013

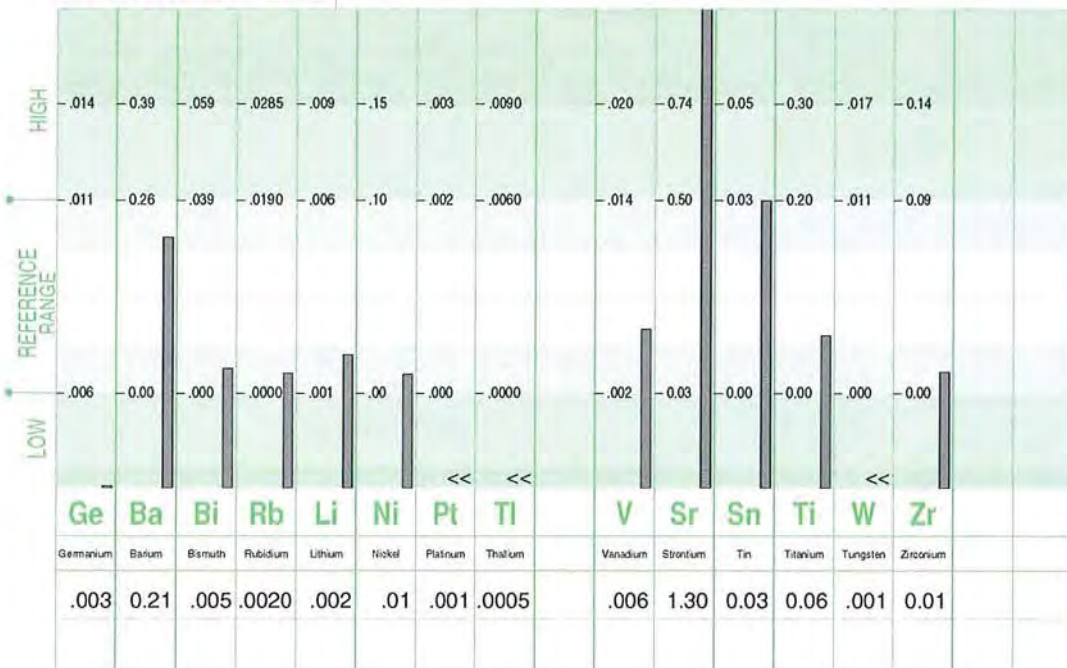
**NUTRITIONAL ELEMENTS**



**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. S. Licensed Clinical Laboratory. FNo. 45 D0481787

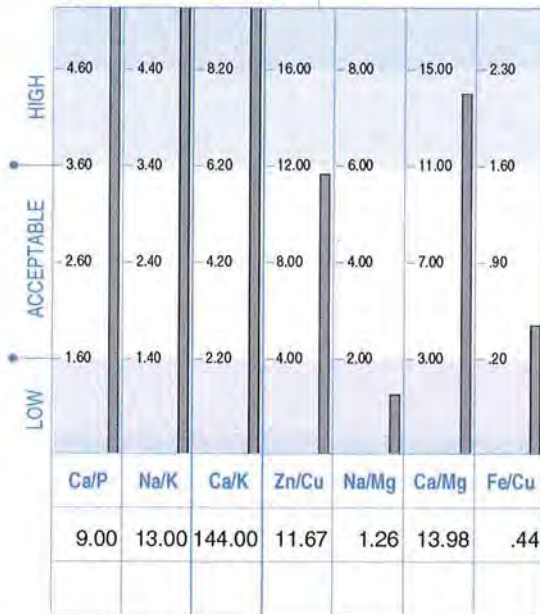
11/7/2013  
CURRENT TEST RESULTS

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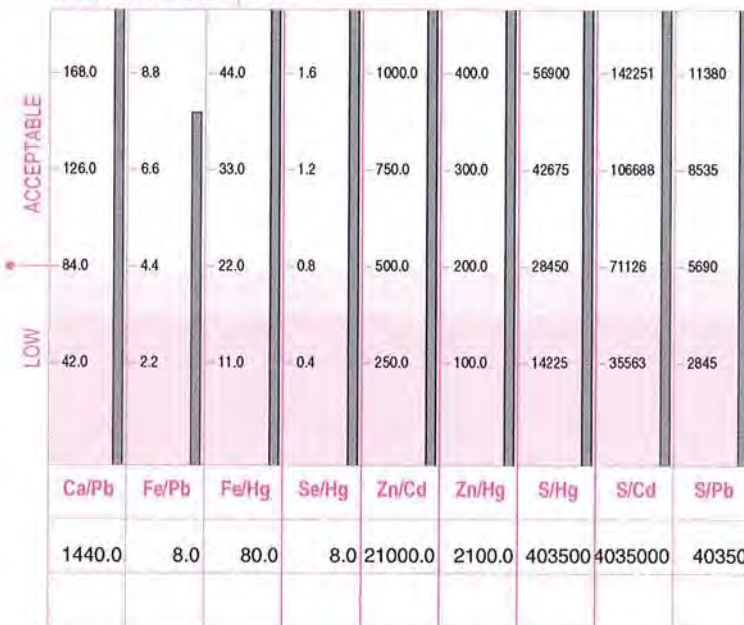
PREVIOUS TEST RESULTS



## SIGNIFICANT RATIOS



## TOXIC RATIOS



## ADDITIONAL RATIOS

Ratio	Current	Previous	Reference Range
Ca/Sr	110.77		131/1
Cr/V	5.00		13/1
Cu/Mo	900.00		625/1
Fe/Co	800.00		440/1
K/Co	1000.00		2000/1
K/Li	500.00		2500/1
Mg/B	18.39		40/1
S/Cu	2241.67		1138/1
Se/Tl	160.00		37/1
Se/Sn	2.67		0.67/1
Zn/Sn	700.00		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.

# MineralCheck



9 Toxins / 11 Essential Minerals

Age: 48

Sex: M

WEB

Collected: April 24, 2005

## RESULTS OF YOUR HAIR ANALYSIS:

### About This Report

Care should be used in the evaluation of your MineralCheck elemental analysis results. Hair treatments or other external contaminants may falsely elevate reported levels of an element.

<b>Toxic Elements</b>			
	Inside Range	Outside Range	Ref. Range ° (mcg/g)
Aluminum	5.12		<=23.13
Antimony	0.01		<=0.03
Arsenic	0.033		<=0.082
Bismuth	0.036		<=0.224
Cadmium	0.011		<=0.106
Lead	0.403		<=1.559
Mercury	0.07		<=1.69
Nickel	0.117		<=0.559
Tin	0.0646		<=0.1825

<b>Essential Minerals</b>			
	Inside Range	Outside Range	Ref. Range ° (mcg/g)
Calcium*		1,257.3	115.9-992.5
Chromium		0.60	0.17-0.49
Cobalt	0.0108		0.0035-0.0307
Copper		33.45	7.62-28.76
Magnesium*		95.9	6.5-88.5
Manganese	0.137		0.035-1.011
Molybdenum	0.044		0.015-0.048
Strontium		10.75	0.08-2.87
Sulfur	52,863		41,178-59,023
Vanadium		0.0866	0.0254-0.0574
Zinc*	195.6		87.5-281.5

°Reference ranges are derived from a healthy adult population without hair treatments such as perms, dyes, or bleach.

\*High levels of these elements may reflect disordered metabolism or maldistribution in the body. In such cases, there may be a loss of these minerals from the organs and tissues where they are normally stored or utilized.

All values expressed in mcg/g (micrograms per gram).

Results and information are for personal use only, and are not intended to diagnose, cure, mitigate, treat, or prevent disease or other conditions, and are not intended to provide a determination or assessment of the state of health. Many factors influence mineral and toxic status and this product evaluates only twenty of these factors. Always consult with a licensed health care professional to interpret screen results and/or make health care decisions.

This screen was developed and its performance characteristics determined by Great Smokies Diagnostic Laboratory, Inc. It has not been cleared by the U.S. Food and Drug Administration.

**BodyBalance**

828-285-2235 · www.bodybalance.com · email: bodybalance@gSDL.com

EBMN2 BBRMS 40 Rev 1  
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## **Hair Test 1090**

1. What are your current symptoms and health history? **Frequent headaches, poor sleep, extremities tender, low functioning adrenals and thyroid, chronic fatigue, possible fibromyalgia, kidneys can't handle too much sodium.**
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) **Wisdom teeth removed over 5 and 10 years ago. I have two extractions and 2 root canals.**
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? **I have a bridge and 3 crowns. One crown is metal and 2 are porcelain.**
4. What dentistry did your mother have at any time before or during pregnancy? **Not sure. She has passed away.**
5. What vaccinations have you had and when (including flu and especially travel shots)? **Not sure, but I have had all the required vaccinations that are required by the schools in the USA.**
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? **Vitamin C 2000mg, Magnesium 400mg**
7. What is your age, height and weight? **Age: 58, height: 5' 9", weight: 174 lbs.**
8. Other information you feel may be relevant? **NA**
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent)? **City is Edinburg, State is Texas and Country is USA.**