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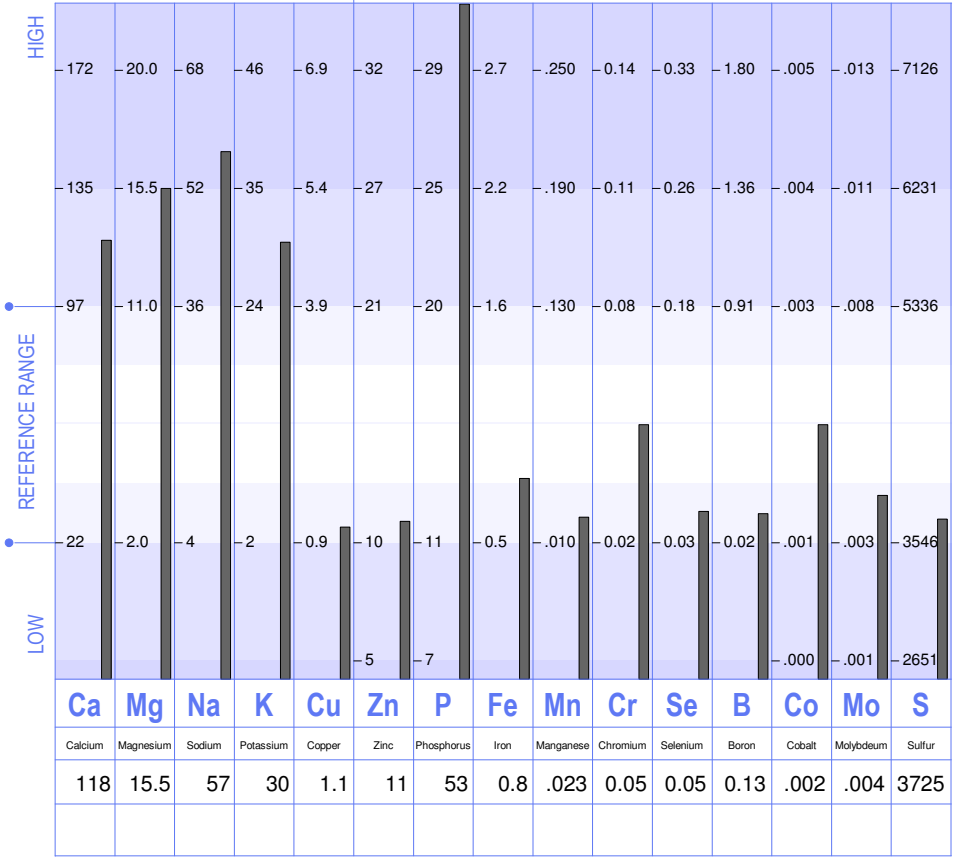
LABORATORY NO.: 1165982

PROFILE NO.: 1 SAMPLE TYPE: PUBIC

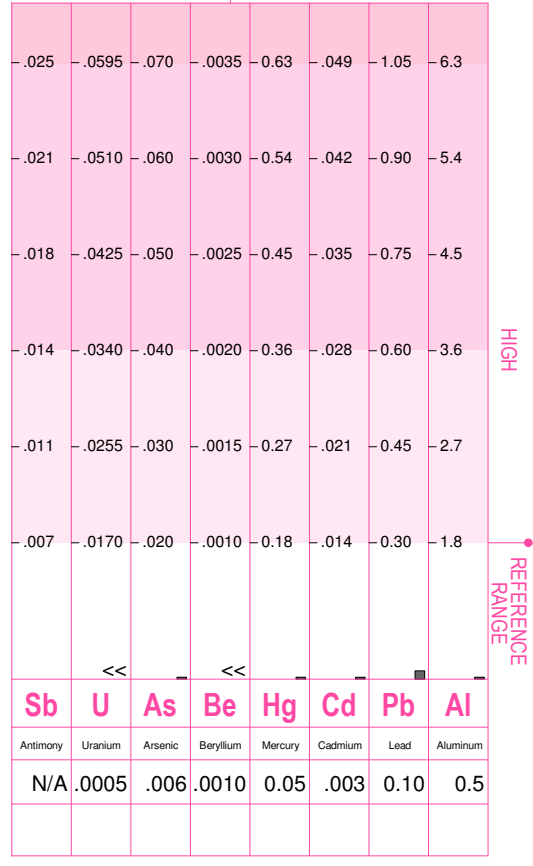
PATIENT: AGE: 68 SEX: F METABOLIC TYPE: FAST 3

REQUESTED BY: ACCOUNT NO.: DATE: 16/10/2013

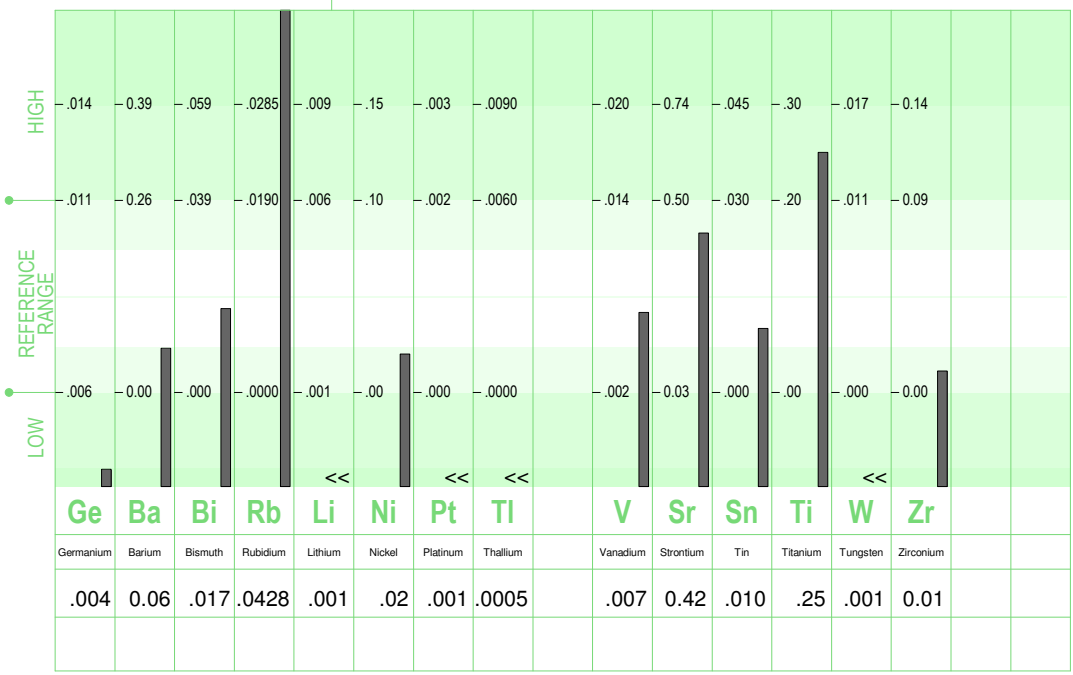
**NUTRITIONAL ELEMENTS**



**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.

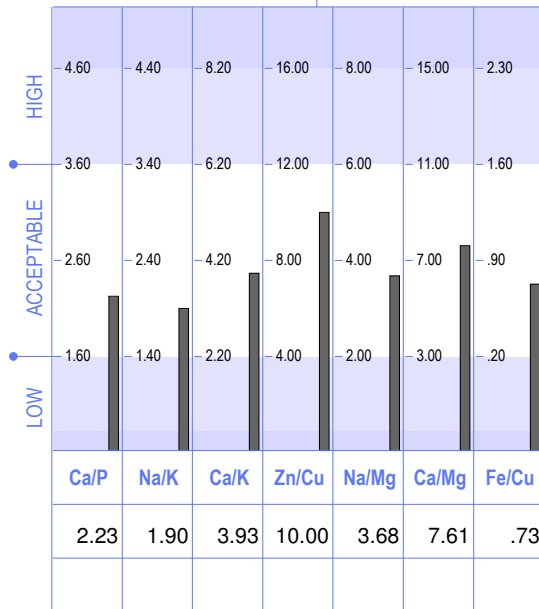
Laboratory Analysis Provided by Trace Elements, Inc., an H. S. Licensed Clinical Laboratory. No. 45 D0481787

16/10/2013  
 CURRENT TEST RESULTS

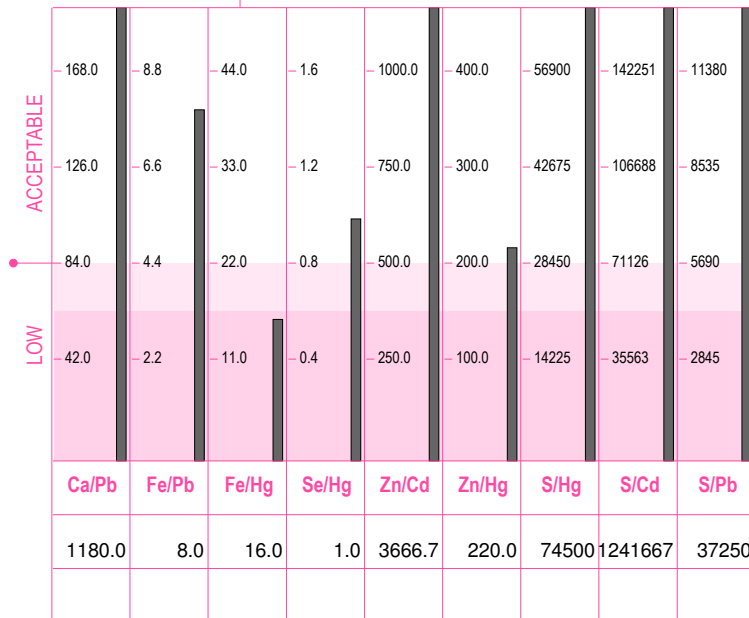
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PREVIOUS TEST RESULTS

## SIGNIFICANT RATIOS



## TOXIC RATIOS



## ADDITIONAL RATIOS

RATIO	CALCULATED VALUE		EXPECTED
	Current	Previous	
Ca/Sr	280.95		131/1
Cr/V	7.14		13/1
Cu/Mo	275.00		625/1
Fe/Co	400.00		440/1
K/Co	15000.00		2000/1
K/Li	30000.00		2500/1
Mg/B	119.23		40/1
S/Cu	3386.36		1138/1
Se/Tl	100.00		37/1
Se/Sn	5.00		0.67/1
Zn/Sn	1100.00		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.

## Health history for hair test 881

**1. Common symptoms :** Itchy Prickly Rash feels like a cross between Prickly Heat and Sunburn, Skin is hot to touch. I became itchy and hot and back came the rash it seems to travel to various parts of the body at different times more noticeable on the chest neck and top of my arms. Sometimes more liek prickles on my skin than an itch, at other times a stinging sensation. A hot shower will bring out the rash. Skin very sensitive, seams and tags on clothes annoy me now when they never used to. Dermatologist thinks it might be autoimmune, but not sure. No biopsy done. Rash comes and goes, subsided lately; thsi might be the loratidine and Deptran but it has doen this before and came back again. Skin very dry, using moisturiser (QV lotion).

**2. Health History:** Normally Healthy, 4 Children normal births. Hysterectomy at 42 had excessive monthly bleeds from Cysts

Laminectomy at 45, injured my back playing sport. Injured my Shoulder in February lifting my aged Mum after her fall.

Blood Pressure Normal have a history of Oesto Arthritis and Heart Problems in the family so far I am OK

**3. Dental History** Have had 6 Crowns on front top teeth over many years Last two years have had trouble with one older Crown

kept detaching itself when it could not be repaired had it replaced in June with a small plate with one tooth on Attached accounts

Missing 4 teeth 2 top, 2 bottom at back. 4 amalgams; one gold tooth. Don't know what the posts under the crows are made from.

4. I have regular 6month check up with our dentist attached some accounts may tell you something.

5. My Mum has had False Teeth since she was twenty said they were CHALKY

### **6. Medication**

Was on Lipitor 40mg changed to the Generic brand last year Recenty had my chloolesterol done is now gone to 6

I have been give a prescription for the original Lipitor by my Dr to start again when we return.

We were thinking it could have been some additive in the Generic brand that started the rash.

I went off it in May. Rash started about end of April

Deptran 10 mg take at night for itch and at times Loratadine Tab 10mg 1 per day Have been using Sandrena gel 0.1% for many years, went off that as well in April

7. Age 69 , 168cm height, 78kg