

LABORATORY NO.:

PROFILE NO.:

EQUINE

AGE: 19

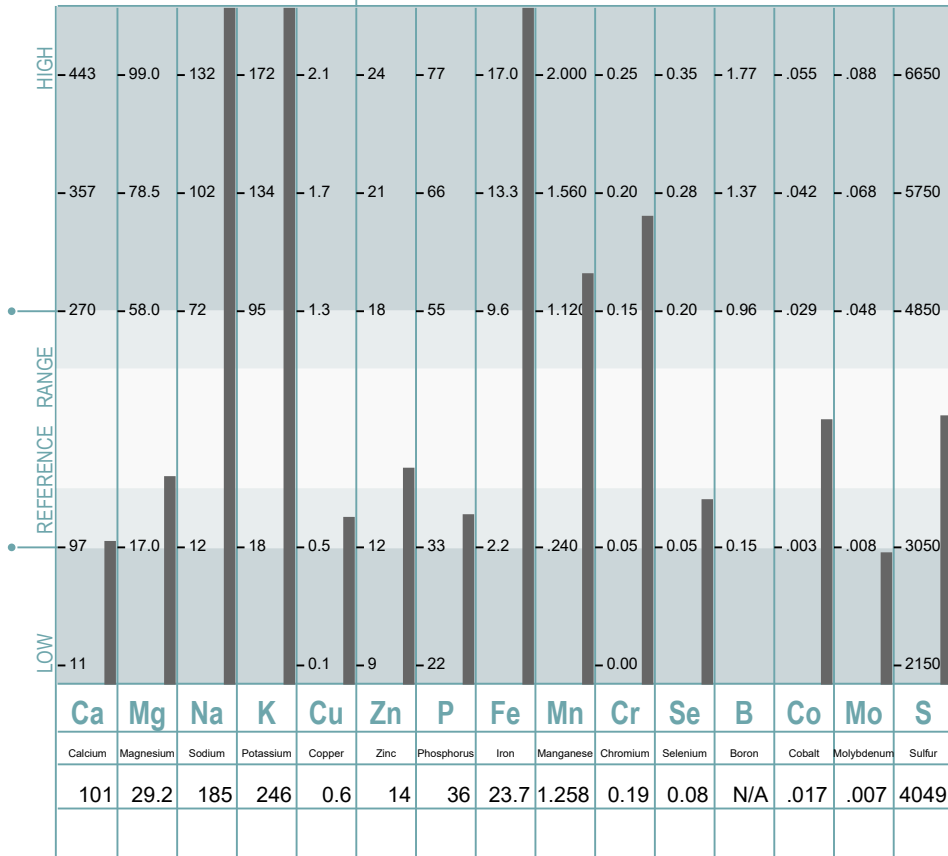
SEX: GELD

REQUESTED BY: PITEL-KILLAH, L.

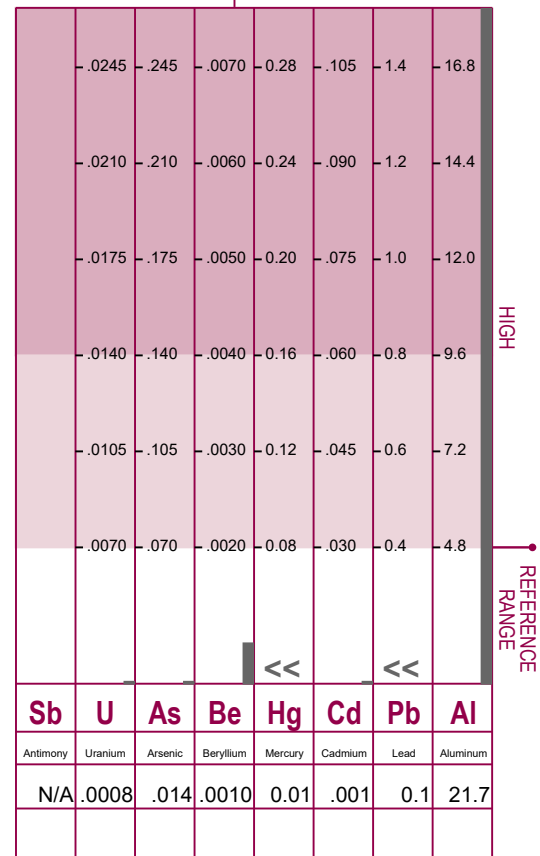
ACCOUNT NO.:

EQUINE CLIENT 1 JULY

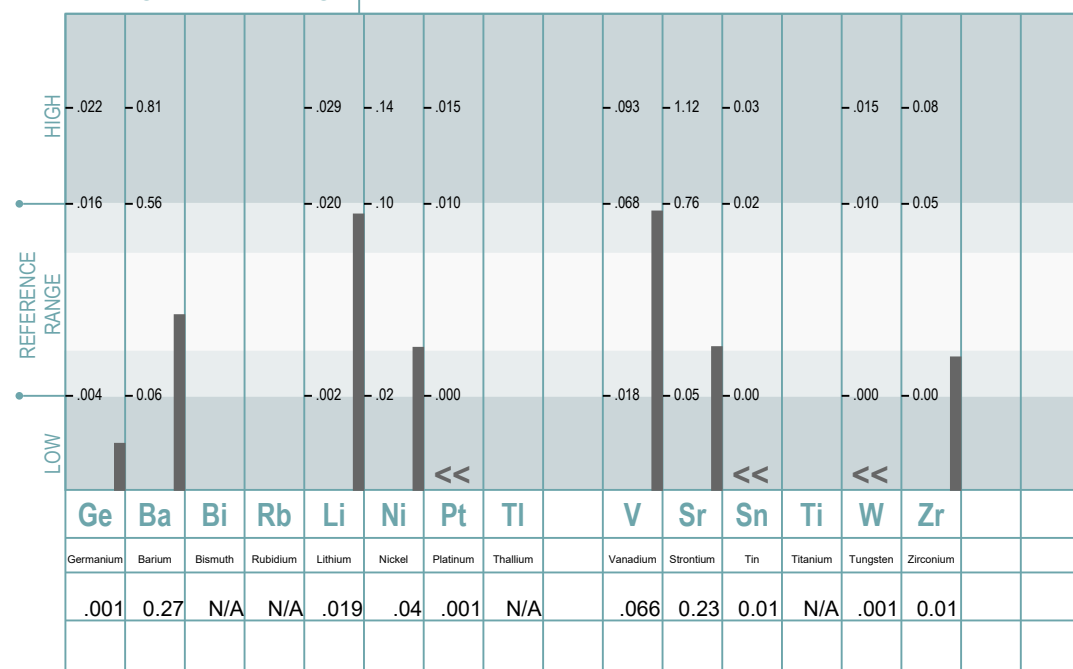
NUTRITIONAL ELEMENTS



TOXIC ELEMENTS



ADDITIONAL ELEMENTS



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

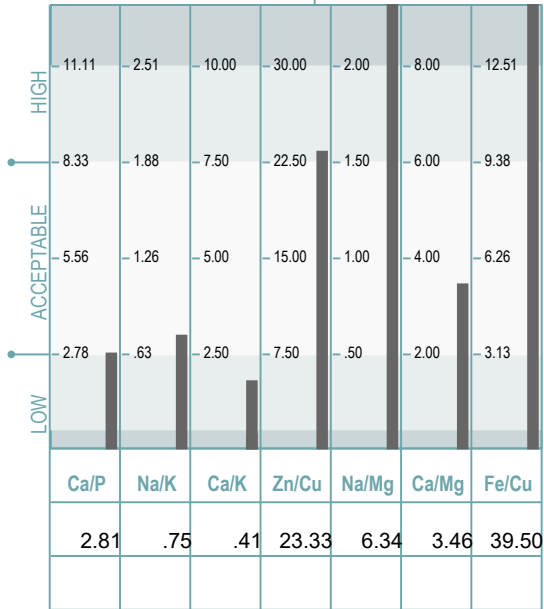
"QNS": Sample Size Was Inadequate For Analysis.

"N/A": Currently Not Available

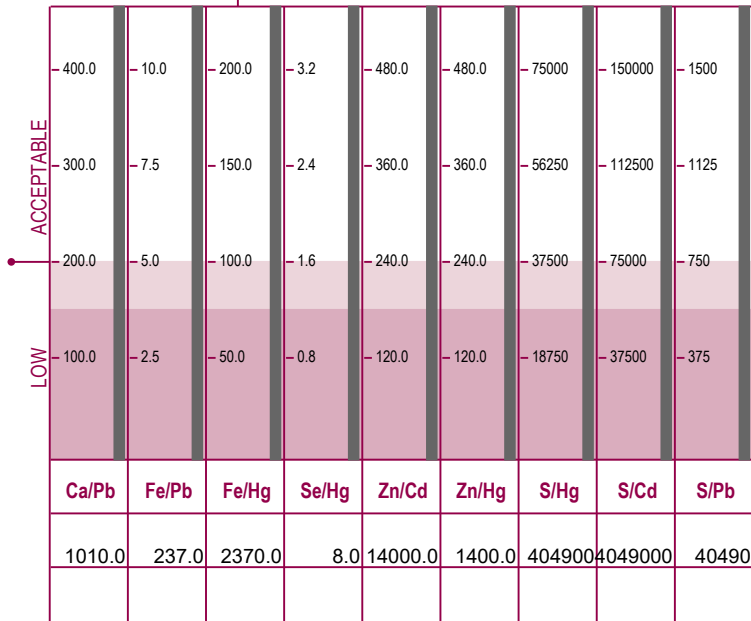
Laboratory Analysis Provided by Trace Elements, Inc.
an H. H. S. Licensed Clinical Laboratory. No. 45 D0481787

CURRENT TEST RESULTS

SIGNIFICANT RATIOS



TOXIC RATIOS



ADDITIONAL RATIOS

RATIO	CALCULATED VALUE		OPTIMUM
	Current	Previous	
Ca/Sr	439.13		N/A
Cr/V	2.88		N/A
Cu/Mo	85.71		N/A
Fe/Co	1394.12		N/A
K/Co	14470.59		N/A
K/Li	12947.37		N/A
Mg/B	N/A		N/A
S/Cu	6748.33		N/A
Se/Tl	200.00		N/A
Se/Sn	8.00		N/A
Zn/Sn	1400.00		N/A

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).

NUTRIENT MINERALS

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

TOXIC MINERALS

The toxic minerals 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 MINERALS

These minerals are considered as possibly essential. Additional studies are being conducted to better define their requirements and amounts needed.

RATIOS

A calculated comparison of two minerals 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 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 animals 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 assist in evaluating their impact upon health.

REFERENCE INTERVALS

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

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



TRACE ELEMENTS

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

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PROFILE NO.:

EQUINE

AGE: 19

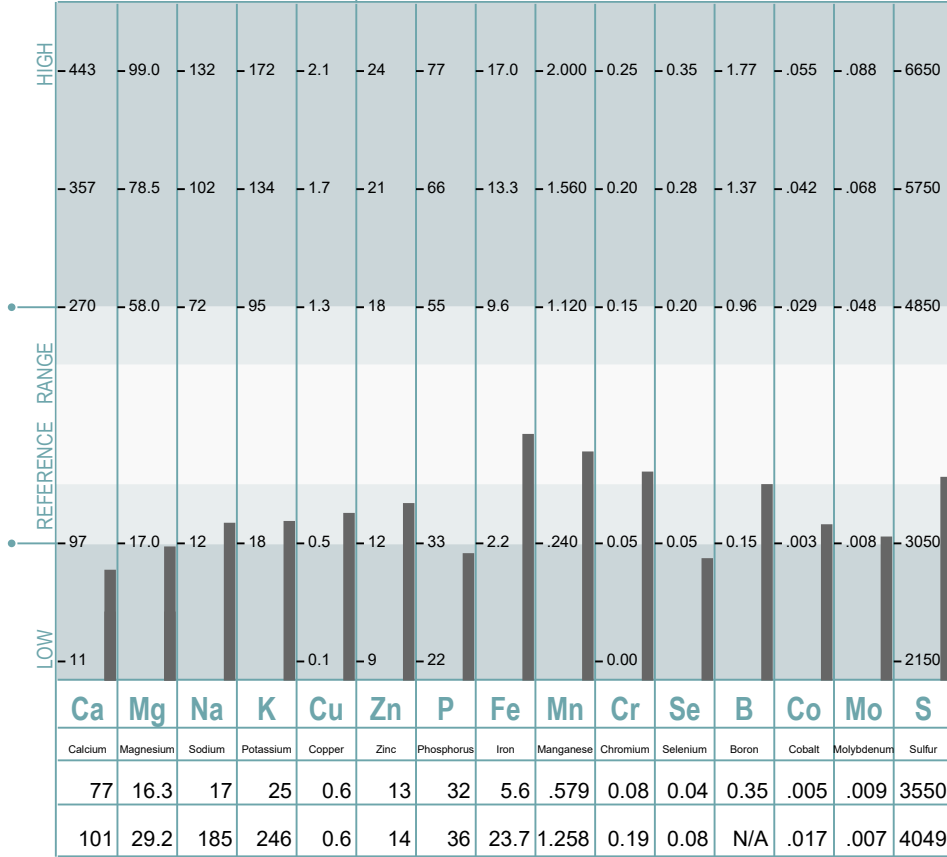
SEX: GELD

REQUESTED BY: PITEL-KILLAH, L.

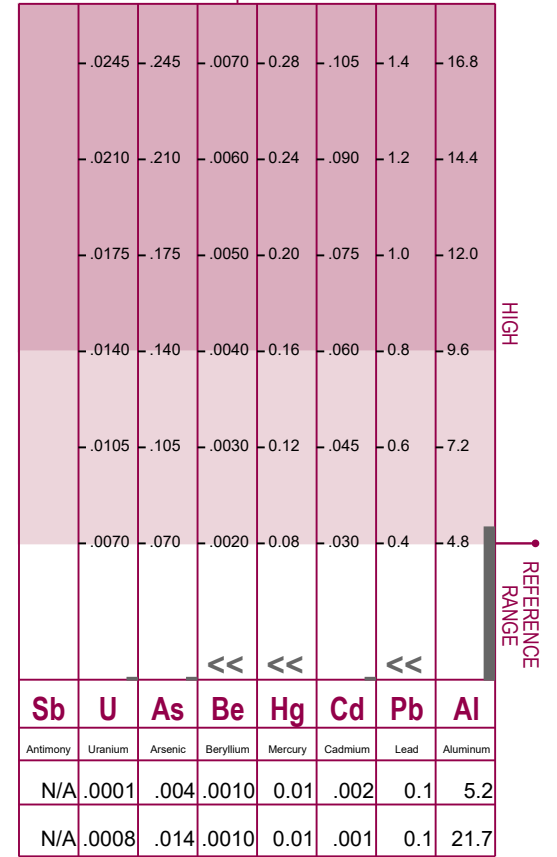
ACCOUNT NO.:

EQUINE CLIENT 1 NOVEMBER

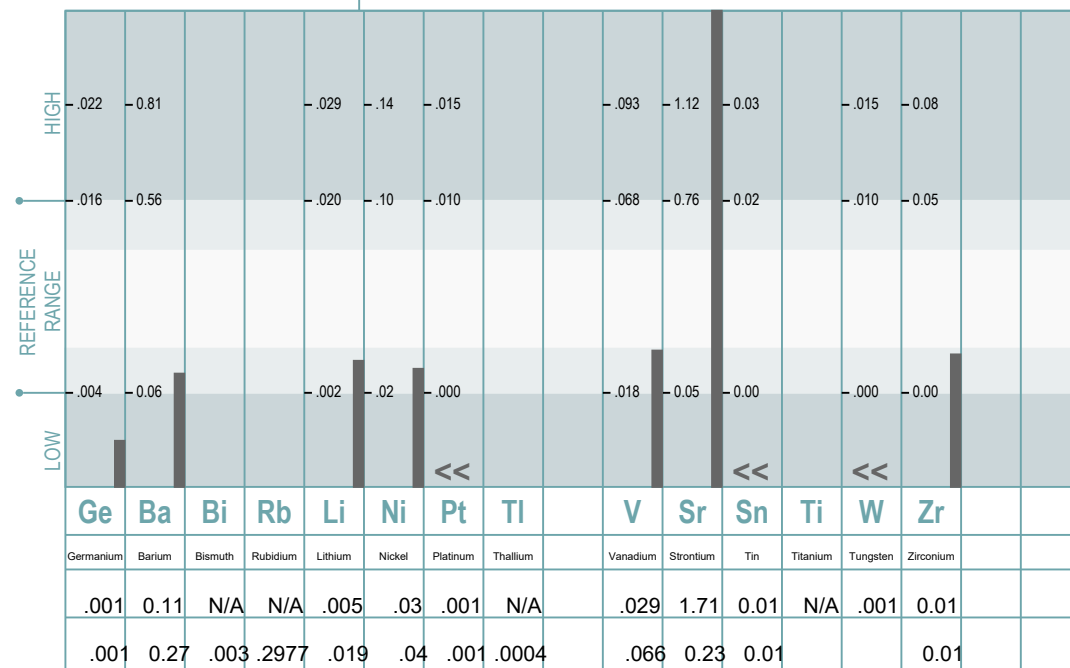
NUTRITIONAL ELEMENTS



TOXIC ELEMENTS



ADDITIONAL ELEMENTS



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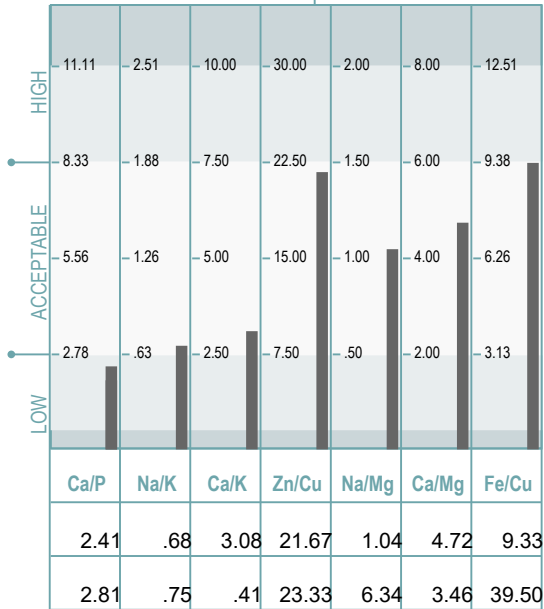
Laboratory Analysis Provided by Trace Elements, Inc.
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CURRENT TEST RESULTS

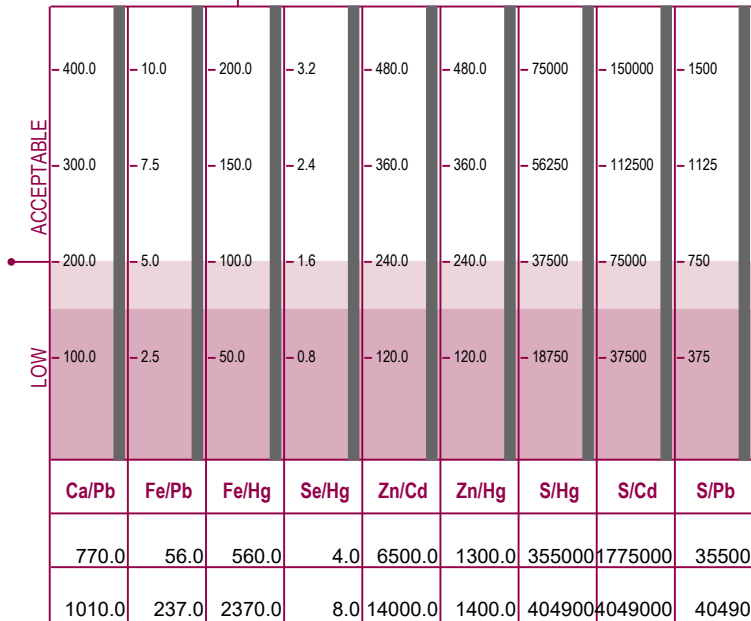
PREVIOUS TEST RESULTS

Trace Elements, Inc.

SIGNIFICANT RATIOS



TOXIC RATIOS



ADDITIONAL RATIOS

RATIO	CALCULATED VALUE		OPTIMUM
	Current	Previous	
Ca/Sr	45.03	439.13	N/A
Cr/V	2.76	2.88	N/A
Cu/Mo	66.67	85.71	N/A
Fe/Co	1120.00	1394.12	N/A
K/Co	5000.00	14470.59	N/A
K/Li	5000.00	12947.37	N/A
Mg/B	46.57	N/A	N/A
S/Cu	5916.67	6748.33	N/A
Se/Tl	400.00	200.00	N/A
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BEFORE:



AFTER:

