Hair Tissue Analysis Report

LABWEST
MINERALS ANALYSIS
A PHENNA GROUP COMPANY

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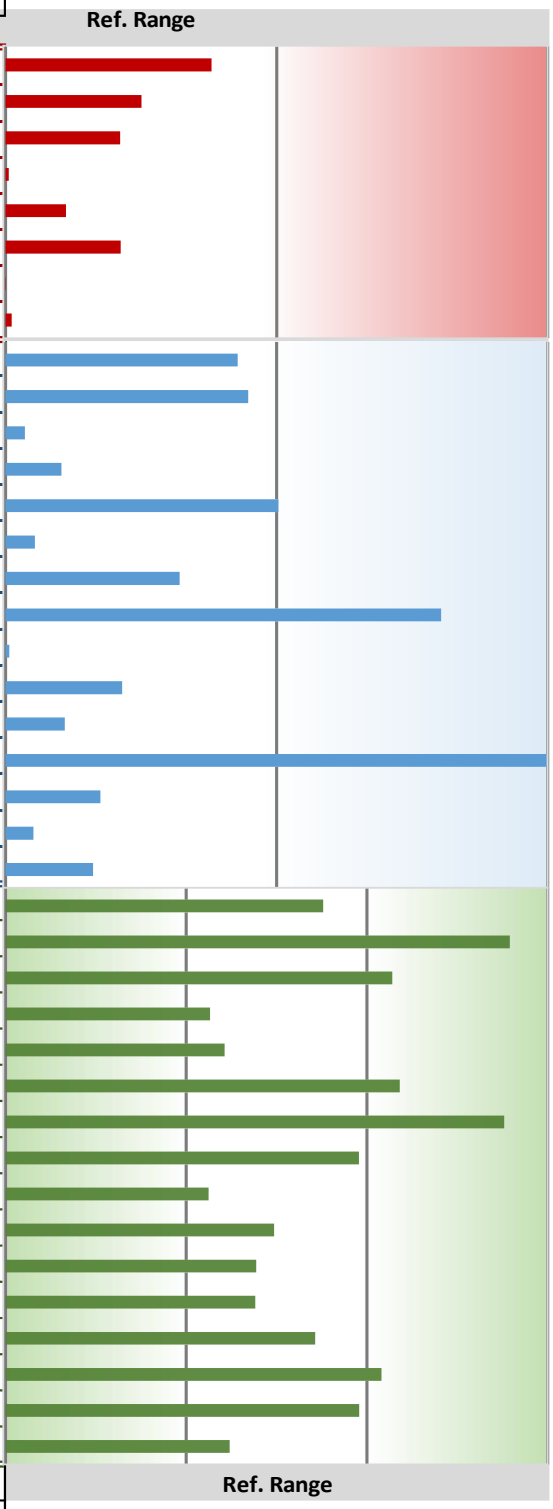
Client:	
Date of Birth:	
Sampling Date:	20-Nov-25
Date Received:	23-Nov-25
Report Date:	3-Dec-25

	Element	Units	Result	Ref. Range*
Toxic Elements	Aluminium	µg/g	13	0-17
	Antimony	ng/g	50	0-100
	Arsenic	ng/g	85	0-200
	Beryllium	ng/g	0.24	0-20
	Cadmium	ng/g	22	0-100
	Mercury	ng/g	425	0-1000
	Lead	ng/g	1	0-3000
	Uranium	ng/g	2.2	0-100
Other Trace Elements	Barium	µg/g	2.57	0-3
	Bismuth	ng/g	448	0-500
	Germanium	ng/g	7	0-100
	Lithium	ng/g	21	0-100
	Nickel	ng/g	604	0-600
	Platinum	ng/g	0.5	0-5
	Rubidium	ng/g	96	0-150
	Silver	ng/g	321	0-200
	Thallium	ng/g	0.3	0-20
	Thorium	ng/g	2.6	0-6
	Tin	ng/g	262	0-1200
	Titanium	µg/g	4.80	0-2
	Vanadium	ng/g	70	0-200
	Zirconium	ng/g	51	0-500
	Total Rare-Earths	ng/g	32	0-100
Nutrient Elements	Boron	µg/g	2.7	0.2-3.5
	Calcium	µg/g	2528	200-1500
	Chromium	µg/g	0.9	0.1-0.8
	Cobalt	ng/g	15	2-100
	Copper	µg/g	15	10-34
	Iron	µg/g	18	5-16
	Magnesium	µg/g	196	20-120
	Manganese	µg/g	0.48	0.08-0.5
	Molybdenum	ng/g	30	20-100
	Phosphorus	µg/g	149	100-200
	Potassium	µg/g	83	10-200
	Selenium	ng/g	758	300-1500
	Sodium	µg/g	291	20-400
	Strontium	µg/g	8.64	0-8
	Sulphur	mg/g	49.6	40-50
	Zinc	µg/g	141	110-240



Key Ratios	Na/K	3.49	1.4-3.4
	Ca/K	30.28	2.2-6.2
	Ca/P	17.01	1-9
	Ca/Mg	12.9	3-11
	Cu/Mo	1	625
	Zn/Cu	9.4	4-12
	Zn/Cd	>1000	>500

***Note:** The reference ranges in this report are for guidance purposes only, and should not be solely relied upon when assessing nutritional requirements. Labwest recommends seeking professional healthcare advice when interpreting these results. See over for further information.

DISCLAIMER:
This report is provided on an "information only" basis. LabWest Hair Tissue Analysis (LabWest) encourages any user of this information to seek advice from an appropriate health professional before making any decisions based on any aspect of this report.

If you have any specific questions about any medical matter you should consult your doctor or other professional healthcare provider. If you think you may be suffering from any medical condition you should seek immediate medical attention. You should never delay seeking medical advice, disregard medical advice, or discontinue medical treatment because of information on this website.

REFERENCE RANGES:
The reference ranges shown in this report have been established from multiple sources, and result from a combinaton of verifiable information in the public domain, published research papers and LabWest's analysis results. They are provided as an indication of levels that may reasonably be expected in the general population, and diagnosing practitioners should satisfy themselves as to the significance and suitability of reference levels.

Toxic Elements:
These elements are referred to as “toxic” due to their potential to interfere with the body’s normal biological functions. Although present in trace amounts in our environment, accumulation of high levels of these elements is undesirable as it may lead to adverse health effects.

Other Trace Elements:
These elements are potentially of interest in assessing biological systems, and may offer supporting evidence in diagnoses.

Nutrient Elements:
The major nutrient elements are considered essential to the proper functioning of biological systems and consequently human health. Metabolism is dependent on appropriate supply and balance of these elements.

Key Ratios:
With the major nutrient elements, relative concentration ratios may be as important as absolute levels as factors affecting efficient function of biological systems. This is due to the synergistic effect of these elements, for example sodium and potassium.

Reporting units:
Elements are reported either as nanograms per gram (ng/g), micrograms per gram (µg/g), or milligrams per gram (mg/g) of hair, depending on typically observed levels.

1 nanogram per gram (ng/g) = 1 part per billion.
1 microgram per gram (µg/g) = 1 part per million = 1000 ng/g
1 milligram per gram (mg/g) = 1000 parts per million = 1000 µg/g

RETESTING:
LabWest recommends that, in the event of observed levels being deemed outside of desirable ranges, a follow-up test be performed after six weeks to assess trends in the metal concentrations and mitigate the possibility of contamination of the sample prior to receipt by the laboratory.