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Approval:	Director

**Certificate of Analysis: Plant Based Multivitamin + lot#NM10175**

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**Oct 30, 2023**

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**ISO/IEC 17025 Certificate**  
**No.: AT 18-25**

**Sample Information**

Date of inquiry	10/27/2023
Collection date	10/27/2023
Date of receipt	10/27/2023
Date test performed	10/27/2023
Sample ID	231030-21
Lab ID	ALab

IR,NIR,HPLC,UV-VIS,ICP,Luminex,  
Raman,EI,GC,LCMS,TLC,  
SEM-EDS, NMR

**Plant Based Multivitamin +  
lot#NM10175**

9/28/2026

Nutritional Roots LLC

Type of test

Name of test material

Expiry date

sample from

**Summary of Analysis**

The analysis of the sample identified above by the Laboratory Procedure was successful in determining the analysis. The sample is consistent with being within our predefined limits of detection for each item.

Average capsule fill weight

747 mg

**Reported Results**

serving 2 capsule

Items	Specifications (mg)	Specifications (B CFU)	Specifications (mg)	Results (mg)	Results (B CFU)	Results (mg)	Test Methods	Pass/Fail
Zinc (Oxide)	11.000			13.45			HPLC, NMR, SEM-EDS, Raman, ICP	Pass
Vitamin B5 (Calcium Pantothenate)	5.00			5.30			HPLC, NMR, SEM-EDS, Raman	Pass
Vitamin D3 (Cholecalciferol; from Wild-Harvested Uchen)			10.00			10.6	HPLC, NMR, SEM-EDS, Raman	Pass
Magnesium (Citrate)	42.00			58.27			HPLC, NMR, SEM-EDS, Raman, ICP	Pass
Vitamin B6 (Pyridoxine HCL)	5.1			6.41			HPLC, NMR, SEM-EDS, Raman	Pass
Selenium (Amino Acid Chelate)			55			52.29	HPLC, NMR, SEM-EDS, Raman, ICP	5% low, Pass
Omega 3 (DHA) from Algae	25			26.55			HPLC, NMR, SEM-EDS, Raman	Pass
Vitamin A (Beta Carotene)			900			955.8	HPLC, NMR, SEM-EDS, Raman	Pass
Vitamin B3 (Niacinamide)	16			17			HPLC, NMR, SEM-EDS, Raman	Pass
Manganese (Citrate)	2.3			2.84			HPLC, NMR, SEM-EDS, Raman, ICP	Pass
Potassium (Iodide)			125			129.98	HPLC, NMR, SEM-EDS, Raman, ICP	Pass
Vitamin B2 (Riboflavin)	1.3			1.38			HPLC, NMR, SEM-EDS, Raman	Pass
Vitamin B12 (Methylcobalamin)			240			254.9	HPLC, NMR, SEM-EDS, Raman	Pass
Chromium (Picolinate)			35			73.21	HPLC, NMR, SEM-EDS, Raman, ICP	Pass
Vitamin B1 (Thiamine HCL)	1.2			1.27			HPLC, NMR, SEM-EDS, Raman	Pass
Vitamin E (D-Alpha Tocopheryl Succinate)	15			15.9			HPLC, NMR, SEM-EDS, Raman	Pass
Vitamin B9 (Methylfolate & folic acid)			918 DFE			974.92DFE	HPLC, NMR, SEM-EDS, Raman	Pass
Vitamin B7 (Biotin)			60			63.7	HPLC, NMR, SEM-EDS, Raman	Pass
Molybdenum (Sodium Molybdate)			45			41.83	HPLC, NMR, SEM-EDS, Raman, ICP	7% low, Pass
Vitamin K2 (Menaquinone-7)			60			63.72	HPLC, NMR, SEM-EDS, Raman	Pass
Vitamin C (Organic Acerola Cherry Extract & Organic Camu Camu Extract)	90			95.58			HPLC, NMR, SEM-EDS, Raman	Pass
Boron (Amino Acid Chelate)	1			1.062			HPLC, NMR, SEM-EDS, Raman, ICP	Pass
B. subtilis (1 Billion CFU)	10	1		10.62	1.06		HPLC, NMR, SEM-EDS, Raman, Luminex	Pass
Blend containing:				738.62			HPLC, NMR, SEM-EDS, Raman	Pass
Organic Apple Cider Vinegar Powder							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Spirulina Powder							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Kale Leaf Powder							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Sprouted Fermented Chia Seed Powder							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Beet Root Powder							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Ginger Root Powder							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Spinach Extract							HPLC, NMR, SEM-EDS, Raman	Pass



Organic Sprouted Fermented Flax Seed Powder						HPLC, NMR, SEM-EDS, Raman	Pass
Organic Turmeric Extract						HPLC, NMR, SEM-EDS, Raman	Pass
Blend containing:	28				29.74	HPLC, NMR, SEM-EDS, Raman	Pass
Echinacea Angustifolia Extract						HPLC, NMR, SEM-EDS, Raman	Pass
Black Elderberry Powder						HPLC, NMR, SEM-EDS, Raman	Pass
Goldenseal Root Powder						HPLC, NMR, SEM-EDS, Raman	Pass
Panax Ginseng Extract						HPLC, NMR, SEM-EDS, Raman	Pass

**Observations:**

Authorized by

Date:

10/30/2023



James Connaughton BA, MBA, ND

Technical Director

*The results contained herein relate only to the items tested. This test report shall not be reproduced, except in full, without the expressed written consent of the Laboratory. All analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the specific sample(s) provided.*