



Document #:	F510-7
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Comments:	
Approval:	Director

**Certificate of Analysis: Plant Based Multivitamin lot#FM6172-036-L3**

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Feb 21, 2024

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

**Sample Information**

Date of inquiry 2/16/2024  
Collection date 2/16/2024  
Date of receipt 2/16/2024  
Date test performed 2/16/2024  
Sample ID 240221-35  
Lab ID Alab  
Type of test IR,NIR,HPLC,UV-Vis,ICP,Luminex,Raman,Elisa,GC,LCMS,TLC, SEM-EDS, NMR  
Name of test material Plant Based Multivitamin lot#FM6172-036-L3  
Expiry date 1/28/2027  
sample from Nutritional Roots LLC

**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 754 mg

**Reported Results**  
serving 2 capsule

Items	Specifications (mg)	Specifications (B CFU)	Specifications (mcg)	Results (mg)	Results (B CFU)	Results (mcg)	Test Methods	Pass/Fail/Other
Zinc (Oxide)	11			37.70			HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin B5 (Calcium Pantothenate)	5.00			5.21			HPLC, NMR, SEM-EDS	Pass
Vitamin D3 (Cholecalciferol; from Wild-Harvested Lichen)			10			10.7	HPLC, NMR, SEM-EDS	Pass
Magnesium (Citrate)	42.00			129.69			HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin B6 (Pyridoxine HCL)	5.10			5.2			HPLC, NMR, SEM-EDS	Pass
Selenium (Amino Acid Chelate)			55			90.48	HPLC, NMR, SEM-EDS, ICP	Pass
Omega 3 (DHA) from Algae	25.00			27.10			HPLC, NMR, SEM-EDS	Pass
Vitamin A (Beta Carotene)			900			923.7	HPLC, NMR, SEM-EDS	Pass
Vitamin B3 (Nicotinamide)	16.00			17.32			HPLC, NMR, SEM-EDS	Pass
Manganese (Citrate)	2.30			2.87			HPLC, NMR, SEM-EDS, ICP	Pass
Potassium (Iodide)			125			150.00	HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin B2 (Riboflavin)	1.30			1.33			HPLC, NMR, SEM-EDS	Pass
Vitamin B12 (Methylcobalamin)			240			244.7	HPLC, NMR, SEM-EDS	Pass
Chromium (Picolinate)			35			34.68	HPLC, NMR, SEM-EDS, ICP	low, Pass
Vitamin B1 (Thiamine HCL)	1.20			1.3			HPLC, NMR, SEM-EDS	Pass
Vitamin E (D-Alpha Tocopheryl Succinate)	15.00			23.32			HPLC, NMR, SEM-EDS	Pass
Vitamin B9 (Methylfolate) DFE			918			923.1	HPLC, NMR, SEM-EDS	Pass
Vitamin B7 (Biotin)			60			64.2	HPLC, NMR, SEM-EDS	Pass
Molybdenum(Sodium Molybdate)			45			57.3	HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin K2 (Menaquinone-7)			60			60.2	HPLC, NMR, SEM-EDS	Pass
Vitamin C(Organic Acerola Cherry Extract & Organic Camu Camu Extract)	90.00			107.23			HPLC, NMR, SEM-EDS	Pass
Boron (Amino Acid Chelate)	1.00			1.66			HPLC, NMR, SEM-EDS, ICP	Pass
B. subtilis (1 Billion CFU)	10.00	1		10.04	1		HPLC, NMR, SEM-EDS, Lumines	Pass
Blend containing:	695.50			744.0			HPLC, NMR, SEM-EDS, TLC	Pass
Organic Apple Cider Vinegar Powder							HPLC, NMR, SEM-EDS, TLC	Pass
Organic Spirulina Powder							HPLC, NMR, SEM-EDS, TLC	Pass
Organic Kale Leaf Powder							HPLC, NMR, SEM-EDS, TLC	Pass
Organic Sprouted Fermented Chia Seed Powder							HPLC, NMR, SEM-EDS, TLC	Pass
Organic Beet Root Powder							HPLC, NMR, SEM-EDS, TLC	Pass
Organic Ginger Root Powder							HPLC, NMR, SEM-EDS, TLC	Pass
Organic Spinach Extract							HPLC, NMR, SEM-EDS, TLC	Pass

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

Observations:

Authorized by



James Connaughton BA, MBA, ND

Technical Director

Date:

2/21/2024

*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.*