



Document #:	F510-7
Revision date:	12/27/2022
Comments:	
Approval:	Director

**Certificate of Analysis: Plant Based Multivitamin + lot#FM5402-052-3**

PO# 315402

**HDA contact**  
High Desert Analysis  
579 W Wickenburg Way Ste 8

**Customer contact**  
Nutritional Roots

**May 23, 2023**

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

**Sample Information**

Date of inquiry	5/3/2023
Collection date	5/3/2023
Date of receipt	5/3/2023
Date test performed	5/3/2023
Sample ID	230523-32
Lab ID	Alab
Type of test	IR,NIR,HPLC,Uv-Vis,ICP,Luminex, Raman,Elisa,GC,LCMS,TLC
Name of test material	<b>Plant Based Multivitamin + lot#FM5402-052-3</b>
Expiry date	1/28/2026
sample from	Nutritional Roots

**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 786 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
Zinc (Oxide)	11.00			11.12			HPLC, Uv-Vis, ICP, Raman	Pass
Vitamin B5 (Calcium Pantothenate)	5.00			5.06			HPLC, Uv-Vis, TLC, Raman	Pass
Vitamin D3 (Cholecalciferol; from Wild-Harvested Lichen)			10			10.2	HPLC, Uv-Vis, TLC, Raman	Pass
Magnesium (Citrate)	42.00			42.35			HPLC, Uv-Vis, ICP, Raman	Pass
Vitamin B6 (Pyridoxine HCL)	5.10			5.2			HPLC, Uv-Vis, TLC, Raman	Pass
Selenium (Amino Acid Chelate)			55			55.7	HPLC, Uv-Vis, ICP, Raman	Pass
Omega 3 (DHA) from Algae	25			25.22			HPLC, Uv-Vis, TLC, Raman	Pass
Vitamin A (Beta Carotene)			900			911	HPLC, Uv-Vis, TLC, Raman	Pass
Vitamin B3 (Niacinamide)	16			16.140			HPLC, Uv-Vis, TLC, Raman	Pass
Manganese (Citrate)	2.3			2.3			HPLC, Uv-Vis, ICP, Raman	Pass
Potassium (Iodide)			125			126.1	HPLC, Uv-Vis, ICP, Raman	Pass
Vitamin B2 (Riboflavin)	1.3			1.3			HPLC, Uv-Vis, TLC, Raman	Pass
Vitamin B12 (Methylcobalamin)			240			242.4	HPLC, Uv-Vis, TLC, Raman	Pass
Chromium (Picolinate)			35			35.12	HPLC, Uv-Vis, ICP, Raman	Pass
Vitamin B1 (Thiamine HCL)	1.2			1.22			HPLC, Uv-Vis, TLC, Raman	Pass
Vitamin E (D-Alpha Tocopheryl Succinate)	15			15.14			HPLC, Uv-Vis, TLC, Raman	Pass
Vitamin B9 (Methylfolate & folic acid)			918 DFE			924.9 DFE	HPLC, Uv-Vis, TLC, Raman	Pass
Vitamin B7 (Biotin)			60			60.51	HPLC, Uv-Vis, TLC, Raman	Pass
Molybdenum(Sodium Molybdate)			45			45.44	HPLC, Uv-Vis, ICP, Raman	Pass
Vitamin K2 (Menaquinone-7)			60			61.02	HPLC, Uv-Vis, TLC, Raman	Pass

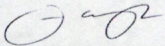
Vitamin C(Organic Acerola Cherry Extract & Organic Camu Camu Extract)	90			90.78			HPLC, Uv-Vis, TLC, Raman	Pass
Boron (Amino Acid Chelate)	1			1.01			HPLC, Uv-Vis, ICP, Raman	Pass
B. subtilis (1 Billion CFU)	10	1		10.1	1.01		HPLC, Uv-Vis, TLC, Raman	Pass
Blend containing;	695.5			707.868			HPLC, Uv-Vis, TLC, Raman	Pass
Organic Apple Cider Vinegar Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Organic Spirulina Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Organic Kale Leaf Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Organic Sprouted Fermented Chia Seed Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Organic Beet Root Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Organic Ginger Root Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Organic Spinach Extract							HPLC, Uv-Vis, TLC, Raman	Pass
Organic Sprouted Fermented Flax Seed Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Organic Turmeric Extract							HPLC, Uv-Vis, TLC, Raman	Pass
Blend containing;							HPLC, Uv-Vis, TLC, Raman	Pass
Echinacea Angustifolia Extract							HPLC, Uv-Vis, TLC, Raman	Pass
Black Elderberry Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Goldenseal Root Powder							HPLC, Uv-Vis, TLC, Raman	Pass
Panax Ginseng Extract							HPLC, Uv-Vis, TLC, Raman	Pass

**Observations:**

Authorized by

Date:

5/23/2023



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.*