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Revision date:	12/27/2022
Comments:	
Approval:	Director

Certificate of Analysis: Plant Based Multivitamin+ lot#FW7445-249-L4

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 Nutritional Roots LLC

Sep 13, 2024

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

Sample Information

Date of inquiry	9/11/2024
Collection date	9/11/2024
Date of receipt	9/11/2024
Date test performed	9/11/2024
Sample ID	240913-45
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#FW7445-249-L4
Expiry date	8/28/2027
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 791 mg

Reported Results

Items	Specifications (mg)	Specifications (B CFU)	Specifications (mcg)	Results		Test Methods	Pass/Fail/Other
				Results (mg)	Results (B CFU)		
Zinc (Oxide)	11.00			11.39		HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin B5 (Calcium Pantothenate)	5.00			5.20		HPLC, NMR, SEM-EDS	Pass
Vitamin D3 (Cholecalciferol; from Wild-Harvested Lichen)			10		11.1	HPLC, NMR, SEM-EDS, Luminex	Pass
Magnesium (Citrate & Oxide)	42			67		HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin B6 (Pyridoxine HCL)	5.1			5.3		HPLC, NMR, SEM-EDS	Pass
Selenium (Amino Acid Chelate)			55		66.44	HPLC, NMR, SEM-EDS	Pass
Omega 3 (DHA) from Algae	25.00			25.010		HPLC, NMR, SEM-EDS	Pass
Vitamin A (Beta Carotene)			900.00		922.3	HPLC, NMR, SEM-EDS	Pass
Vitamin B3 (Niacinamide)	16.00			17.000		HPLC, NMR, SEM-EDS	Pass
Manganese (Citrate)	2.30			3.320		HPLC, NMR, SEM-EDS, ICP	Pass
Potassium (Iodide)			125.00		316.4	HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin B2 (Riboflavin)	1.3			1.400		HPLC, NMR, SEM-EDS	Pass
Vitamin B12 (Methylcobalamin)			240		336.65	HPLC, NMR, SEM-EDS	Pass
Chromium (Picolinate)			35		50.62	HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin B1 (Thiamine HCL)	1.2			1.32		HPLC, NMR, SEM-EDS	Pass
Vitamin E (D-Alpha Tocopheryl Succinate)	15			17.89		HPLC, NMR, SEM-EDS	Pass
Vitamin B9 (Methylfolate) DFE			918		1156.44	HPLC, NMR, SEM-EDS	Pass
Vitamin B7 (Biotin)			60		65	HPLC, NMR, SEM-EDS	Pass
Molybdenum(Sodium Molybdate)			45		53.79	HPLC, NMR, SEM-EDS, ICP	Pass
Vitamin K2 (Menaquinone-7)			60		60.87	HPLC, NMR, SEM-EDS	Pass
Vitamin C(Organic Acerola Cherry Extract & Organic Camu Camu Extract)	90			97.8		HPLC, NMR, SEM-EDS	Pass
Boron (Amino Acid Chelate)	1			2.53		HPLC, NMR, SEM-EDS, ICP	Pass
B. subtilis (1 Billion CFU)	10	1		10.1	1	HPLC, NMR, SEM-EDS, Luminex	Pass
Blend containing:	695.5			745.45		HPLC, NMR, SEM-EDS	Pass
Organic Apple Cider Vinegar Powder						HPLC, NMR, SEM-EDS	Pass
Organic Spirulina Powder						HPLC, NMR, SEM-EDS	Pass
Organic Kale Leaf Powder						HPLC, NMR, SEM-EDS	Pass
Organic Sprouted Fermented Chia Seed Powder						HPLC, NMR, SEM-EDS	Pass
Organic Beet Root Powder						HPLC, NMR, SEM-EDS	Pass
Organic Ginger Root Powder						HPLC, NMR, SEM-EDS	Pass
Organic Spinach Extract						HPLC, NMR, SEM-EDS	Pass
Organic Sprouted Fermented Flax Seed Powder						HPLC, NMR, SEM-EDS	Pass
Organic Turmeric Extract						HPLC, NMR, SEM-EDS	Pass
Blend containing:	28			30.01		HPLC, NMR, SEM-EDS	Pass
Echinacea Angustifolia Extract						HPLC, NMR, SEM-EDS	Pass

Black Elderberry Powder						HPLC, NMR, SEM-EDS	Pass
Goldenseal Root Powder						HPLC, NMR, SEM-EDS	Pass
Panax Ginseng Extract						HPLC, NMR, SEM-EDS	Pass

Observations:

Authorized by

Date:

9/13/2024



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.