



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

Certificate of Analysis: Plant Based Vitamin D3 + K2 lot#PB7860-290-L4

HDA contact: High Desert Analysis, 624 W Gurley St. Ste D, Prescott, AZ. 86305, phone:(812) 929-0675
 Customer contact: Nutritional Roots LLC
 Date: Oct 25, 2024
 ISO/IEC 17025 Certificate No.: AT 18-25

Sample Information

Date of inquiry: 10/25/2024
 Collection date: 10/25/2024
 Date of receipt: 10/25/2024
 Date test performed: 10/25/2024
 Sample ID: 241025-35
 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 Vitamin D3 + K2 lot#PB7860-290-L4
 Expiry date: 9/28/2027
 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: 758 mg

Reported Results

serving size: 1 capsule

Items	Specifications (mg)	Specifications (B CFU)	Specifications (mcg)	Results (mg)	Results (B CFU)	Results (mcg)	Test Methods	Pass/Fail/Other
Vitamin D3 (Cholecalciferol; from Wild-Harvested Lichen)			125			131.7	HPLC, NMR, SEM-EDS	Pass
Blend containing	410.00			424.563			HPLC, NMR, SEM-EDS, ICP	Pass
Organic Fermented Spinach Leaf Powder							HPLC, NMR, SEM-EDS	Pass
Organic Fermented Kale Leaf Powder							HPLC, NMR, SEM-EDS	Pass
Organic Apple Cider Vinegar Powder							HPLC, NMR, SEM-EDS	Pass
Organic Shiitake Mushroom Powder							HPLC, NMR, SEM-EDS	Pass
Organic Fermented Ginger Root Powder							HPLC, NMR, SEM-EDS	Pass
Organic Fermented Turmeric Root Powder							HPLC, NMR, SEM-EDS	Pass
Omega 3 DHA from Algae	200.00			207.104			HPLC, NMR, SEM-EDS	Pass
B. subtilis	10.00	1		10.355	1.04		HPLC, NMR, SEM-EDS, Luminex	Pass
Fermented Vitamin K2 (Menaquinone-7; from B. licheniformis)			120			126.99	HPLC, NMR, SEM-EDS	Pass

Observations:

Authorized by:

Date: 10/25/2024

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.