



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

**Certificate of Analysis: Plant Based Vitamin D3 + K2 lot#PB5316-046-3**

PO# 315316

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

**Customer contact**  
Nutritional Roots

**May 23, 2023**

Wickenburg, AZ. 85390  
jconnaughton@highdesertanalysis.consulting  
phone:(812) 929-0675

**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	230523-21
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 Vitamin D3 + K2 lot#PB5316-046-3</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 736 mg

**Reported Results**

1 serving 1 capsule

Items	Specifications (mg)	Specifications (B CFU)	Specifications (mcg)	Results (mg)	Results (B CFU)	Results (mcg)	Test Methods	Pass/Fail
Blend containing:	463.00			506.06			HPLC, Uv-Vis, TLC, Raman	Pass
Organic Apple Cider Vinegar Powder	☒			☒☒☒			HPLC, Uv-Vis, TLC, Raman	Pass
Organic Fermented Turmeric Root Powder	☒			☒☒☒			HPLC, Uv-Vis, TLC, Raman	Pass
Organic Shiitake Mushroom Powder	☒			☒☒☒			HPLC, Uv-Vis, TLC, Raman	Pass
Organic Fermented Spinach Leaf Powder	☒			☒☒☒			HPLC, Uv-Vis, TLC, Raman	Pass
Organic Fermented Kale Leaf Powder	☒			☒☒☒			HPLC, Uv-Vis, TLC, Raman	Pass
Organic Fermented Ginger Root Powder	☒			☒☒☒			HPLC, Uv-Vis, TLC, Raman	Pass
Fermented Vitamin K2 (Menaquinone-7; from B. licheniformis)			120			131.16	HPLC, Uv-Vis, GC, Raman	Pass
Vitamin D3 (Cholecalciferol; from Wild-Harvested Lichen)			125			136.6	HPLC, Uv-Vis, GC, Raman	Pass
Omega 3 DHA from Algae(Docosahexaenoic acid)	200			218.6			HPLC, Uv-Vis, GC, Raman	Pass
B. subtilis 1B CFU	10	1		10.93	1.09		HPLC, Uv-Vis, Luminex, 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.