

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



Certificate of Analysis: Probiotics + 42 Billion CFU lot#SP7768-255-2A

HDA contact
High Desert Analysis
624 W Gurley St. Ste D

Customer contact
Nutritional Roots LLC
675 Alpha Dr. Ste G

Oct 17, 2023

Prescott, AZ. 86305
jconnaughton@highdesertanalysis.consulting
phone:(812) 929-0675

Highland Heights, OH. 44143

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

Sample Information

Date of inquiry 10/11/2023
Collection date 10/11/2023
Date of receipt 10/11/2023
Date test performed 10/11/2023
Sample ID 231017-23
Lab ID ALab

Type of test

IR,NIR,HPLC,UV-Vis,ICP,Luminex,
Raman,Elisa,G,C,LCMS,TLC,
SEM-EDS, NMR

Name of test material

Probiotics + 42 Billion CFU
lot#SP7768-255-2A

Expiry date

8/28/2026

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 815 mg

Reported Results

1 capsule

Items	Specifications (mg)	Specifications (B CFU)	Specifications (mcg)	Results (mg)	Results (B CFU)	Results (mcg)	Test Methods	Pass/Fail
Blend containing;	454.50			494.39			HPLC, NMR, SEM-EDS, Raman	Pass
Organic Beet root oligosaccharides							HPLC, NMR, SEM-EDS, Raman	Pass
Organic chicory root Inulin							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Jerusalem artichoke Inulin							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Tapioca oligosaccharide							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Acacia fiber							HPLC, NMR, SEM-EDS, Raman	Pass
Blend 42 Billion CFU; bifidobacterium longum(1714), bifidobacterium breve(1205), bifidobacterium animalis lactis(HN019), bifidobacterium bifidum, streptococcus thermophilus, lactobacillus casei, lactobacillus bulgaricus, lactobacillus lactis, lactobacillus acidophilus(NCFM), lactobacillus helveticus, bacillus coagulans, bacillus subtilis	115.5	42		125.64	45.69		HPLC, NMR, SEM-EDS, Raman, Luminex	Pass
Blend containing;	90			97.90			HPLC, NMR, SEM-EDS, Raman	Pass
Organic Ashwagandha root leaf extract(Withania somnifera)							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Ginkgo(ginkgo biloba)							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Valerian root extract(valeriana officinalis)							HPLC, NMR, SEM-EDS, Raman	Pass
Blend containing;	75			81.58			HPLC, NMR, SEM-EDS, Raman	Pass
Organic apple cider vinegar							HPLC, NMR, SEM-EDS, Raman	Pass
Organic peppermint							HPLC, NMR, SEM-EDS, Raman	Pass
Organic Ginger							HPLC, NMR, SEM-EDS, Raman	Pass
Amylase							HPLC, NMR, SEM-EDS, Raman, Luminex	Pass
Glucosylase							HPLC, NMR, SEM-EDS, Raman, Luminex	Pass
Lipase							HPLC, NMR, SEM-EDS, Raman, Luminex	Pass
Protease							HPLC, NMR, SEM-EDS, Raman, Luminex	Pass

Observations:

Authorized by

Date: 10/17/2023

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.