Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Microbial Analysis

Pass

Test	Result (CFU/g)	Status
Aspergillus flavus	Absent / 1g	Pass
Aspergillus fumigatus	Absent / 1g	Pass
Aspergillus niger	Absent / 1g	Pass
Aspergillus terreus	Absent / 1g	Pass
Shiga-toxin producing *Escherichia coli*	Absent / 1g	Pass
Salmonella	Absent / 1g	Pass

Date Tested: 8/26/2025

CFU = Colony Forming Units

Terpenoid Analysis

Complete

Analyte	LOQ (%)	Mass (%)	Mass (mg/g)
Camphene	0.0085	**0.1687**	**1.687**
3-Carene	0.0085	**0.1587**	**1.587**
ß-Caryophyllene	0.0085	**0.3472**	**3.472**
p-Cymene	0.0085	ND	ND
Eucalyptol	0.0085	**0.0129**	**0.129**
Fenchol	0.0085	**0.0417**	**0.417**
α-Humulene	0.0085	**0.0823**	**0.823**
δ-Limonene	0.0085	**0.8333**	**8.333**
Linalool	0.0085	**0.2778**	**2.778**
ß-Myrcene	0.0085	**0.496**	**4.960**
Nerolidol	0.0085	**0.256**	**2.560**
α-Pinene	0.0085	ND	ND
Terpinolene	0.0085	**0.0278**	**0.278**
Total Terpenoids		**2.70**	**27.02**



Date Tested: 8/27/2025

Method References:

Hemp Profile (SOP HPLC Hemp by UV-Detection)

Multi-Residue Pesticide Analysis - (AOAC_200701)

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

Residual Solvents Analysis - 20 compounds (USP_467)

USP current revision, Chapter 62.
United States Pharmacopeia, 38nd Rev. - National Formulary 33th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015) (modified).

Mycotoxins Analysis - 5 compounds (FDA_MYC)

Determination of Mycotoxins in Corn, Peanut Butter and Wheat Flour Using Stable Isotope Dilution Assay (SIDA) and Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) (modified).

Heavy Metals Analysis - 4 elements (EPA_200.8)

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.

"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version (modified).

Microbial Analysis - (FDABAM_4A_5_18)

U.S. Food and Drug Administration, Bacteriological Analytical Manual, Chapter 4A, Diarrheagenic Escherichia coli; Chapter 5, Salmonella; Chapter 18, Yeasts, Molds and Mycotoxins (modified).