

Certificate of Analysis

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

Pinnacle

Client: Social Hemp Sample Name: Pinnacle

Batch Number: N/A

Client Address: 2706 Harbor Blvd Suite 210

Costa Mesa, CA, 92626

Matrix: Plant Unit Mass: 1 g per unit License Number: 29909 Sample ID: 74051015-9 Date Received: 10/15/2025



Total CBD	ND				
Delta 9-THC	0.20 %				
THCA	28.15 %				
Total Cannabinoids	28.35 %				
Analysis Summary					
Residual Pesticides	Pass				
Mycotoxins	Pass				
Heavy Metals	Pass				
Microbial Impurities	Pass				
Foreign Material	Pass				
Moisture Content	10.95 %				
Water Activity	Pass				
Total Terpenes	2.46 %				

Cannabinoid Analysis Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)
CBDV	0.0035	0.011	ND	ND
CBD	0.0030	0.0090	ND	ND
CBG	0.0038	0.011	ND	ND
CBDA	0.0017	0.0052	ND	ND
CBN	0.00080	0.0024	ND	ND
Delta 9-THC	0.0022	0.0067	0.202	2.02
Delta 8-THC	0.0020	0.0059	ND	ND
CBC	0.00070	0.0021	ND	ND
THCA	0.0024	0.0073	28.146	281.46
Total CBD			ND	ND
Total THC			24.89	248.86
Total Cannabinoids			28.35	283.48

Date Tested: 10/15/2025

Total THC = THCa * 0.877 + d9-THC + d8-THC; Total CBD = CBDa * 0.877 + CBD

This certificate of analysis is responsible for the tested sample only and is for research and development (R&D) use only. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of FESA Labs. FESA Labs shall not be liable for any damage that may result from the data contained herein in any way. FESA Labs makes no claim to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. If there are any questions with this report please email info@fesalabs.com. This certificate of analysis is intended only for the use of the party to whom it is addressed and may contain information that is confidential or protected from disclosure under applicable law. If you have received this document in error, please immediately contact us.

 $\textbf{References:} \ \text{limit of detection (LOD), limit of quantitation (LOQ), not detected (ND), not tested (NT)}$



Certificate of Analysis

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

Pesticide Analysis Pass

Analyte	LOQ (ppm)	Limit (ppm)	Mass (ppm)	Status	
Abamectin	0.050	0.10	ND	Pass	
cephate	0.050	0.10	ND	Pass	
cequinocyl	0.050	0.10	ND	Pass	
eetamiprid	0.050	0.10	ND	Pass	
dicarb	0.050	0.00	ND	Pass	
zoxystrobin	0.050	0.10	ND	Pass	
fenazate	0.050	0.10	ND	Pass	
fenthrin	0.050	3.00	ND	Pass	
oscalid	0.050	0.10	ND	Pass	
aptan	0.050	0.70	ND	Pass	
arbaryl	0.050	0.50	ND	Pass	
arbofuran	0.050	0.00	ND	Pass	
Chlorantraniliprole	0.050	10.00	ND	Pass	
chlordane	0.050	0.00	ND	Pass	
hlorfenapyr	0.050	0.00	ND	Pass	
hlorpyrifos	0.050	0.00	ND	Pass	
lofentezine	0.050	0.10	ND	Pass	
oumaphos	0.050	0.00	ND	Pass	
yfluthrin	0.050	2.00	ND	Pass	
cypermethrin	0.050	1.00	ND	Pass	
aminozide	0.050	0.00	ND	Pass	
DVP	0.050	0.00	ND	Pass	
iazinon	0.050	0.10	ND	Pass	
imethoate	0.050	0.00	ND	Pass	
imethomorph	0.050	2.00	ND	Pass	
thoprophos	0.050	0.00	ND	Pass	
tofenprox	0.050	0.00	ND	Pass	
toxazole	0.050	0.10	ND	Pass	
enhexamid	0.050	0.10	ND	Pass	
enoxycarb	0.050	0.00	ND	Pass	
	0.050	0.10	ND	Pass	
enpyroximate ipronil	0.050	0.00	ND	Pass	
	0.050				
lonicamid		0.10	ND	Pass	
ludioxonil	0.050	0.10	ND	Pass	
lexythiazox	0.050	0.10	ND	Pass	
mazalil	0.050	0.00	ND	Pass	
midacloprid	0.050	5.00	ND	Pass	
resoxim Methyl	0.050	0.10	ND	Pass	
Malathion	0.050	0.50	ND	Pass	
Metalaxyl	0.050	2.00	ND	Pass	
Methiocarb	0.050	0.00	ND	Pass	
Methomyl	0.050	1.00	ND	Pass	
lethyl Parathion	0.050	0.00	ND	Pass	
1 evinphos	0.050	0.00	ND	Pass	
lyclobutanil	0.050	0.10	ND	Pass	
laled	0.050	0.10	ND	Pass	
xamyl	0.050	0.50	ND	Pass	
aclobutrazol	0.050	0.00	ND	Pass	
Pentachloronitrobenzene	0.050	0.10	ND	Pass	
Permethrin	0.050	0.50	ND	Pass	
Phosmet	0.050	0.10	ND	Pass	
Piperonyl Butoxide	0.050	3.00	ND	Pass	
Prallethrin	0.050	0.10	ND	Pass	
Propiconazole	0.050	0.10	ND	Pass	
Topicoliuzoic	0.030	0.10	ND	1 433	

Pass



Pesticide Analysis

Certificate of Analysis

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

Analyte	LOQ (ppm)	Limit (ppm)	Mass (ppm)	Status
Propoxur	0.050	0.00	ND	Pass
Pyrethrins	0.050	0.50	ND	Pass
Pyridaben	0.050	0.10	ND	Pass
Spinetoram	0.050	0.10	ND	Pass
Spinosad	0.050	0.10	ND	Pass
Spiromesifen	0.050	0.10	ND	Pass
Spirotetramat	0.050	0.10	ND	Pass
Spiroxamine	0.050	0.00	ND	Pass
Tebuconazole	0.050	0.10	ND	Pass
Thiacloprid	0.050	0.00	ND	Pass
Thiamethoxam	0.050	5.00	ND	Pass
Trifloxystrobin	0.050	0.10	ND	Pass

Date Tested: 10/15/2025

Mycotoxins Pass

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (μg/g)	Status
Aflatoxin B1	0.02	0.02	ND	Pass
Aflatoxin B2	0.02	0.02	ND	Pass
Aflatoxin G1	0.02	0.02	ND	Pass
Aflatoxin G2	0.02	0.02	ND	Pass
Ochratoxin A	0.02	0.02	ND	Pass

Date Tested: 10/15/2025

Heavy Metals Analysis Pass

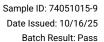
Analyte	LOQ (μg/g)	Limit (μg/g)	Mass (μg/g)	Status
Arsenic	0.050	0.200	ND	Pass
Cadmium	0.050	0.200	ND	Pass
Lead	0.125	0.500	0.187	Pass
Mercury	0.025	0.100	ND	Pass

Date Tested: 10/16/2025

Microbial Analysis Pass

Test	Limit (CFU/g)	Result (CFU/g)	Status	
Aspergillus flavus	<1	Absent / 1g	Pass	
Aspergillus fumigatus	<1	Absent / 1g	Pass	
Aspergillus niger	<1	Absent / 1g	Pass	
Aspergillus terreus	<1	Absent / 1g	Pass	
Total E. coli	<1	Absent / 1g	Pass	
Salmonella	<1	Absent / 1g	Pass	

Date Tested: 10/16/2025 CFU = Colony Forming Units





Certificate of Analysis

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

Moisture Content Complete

 Test
 Result (%)

 Moisture Content
 10.95

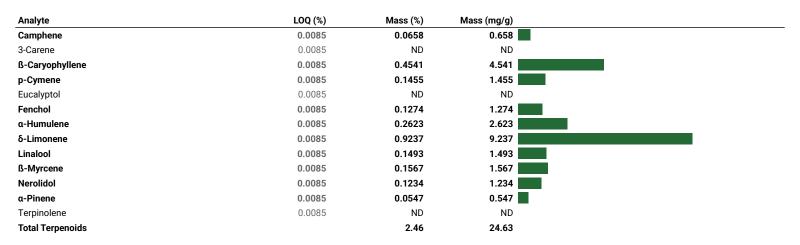
Date Tested: 10/15/2025

Water Activity Pass

Test	Limit (Aw)	Result (Aw)	Status	
Water Activity	0.65	0.47	Pass	

Date Tested: 10/16/2025

Terpenoid Analysis Complete



Date Tested: 10/16/2025

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.

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 - (AOAC_2014_991_FDA_BAM_18)

Official Methods of Analysis, AOAC Official Method 2014.01 Salmonella in Selected Foods, AOAC Official Method 991.14 Coliform and Escherichia coli Counts in Foods; AOAC INTERNATIONAL (modified), U.S. Food and Drug Administration, Bacteriological Analytical Manual, Chapter 18, Yeasts, Molds and Mycotoxins (modified).

Moisture Content Analysis - (AOAC_934_06)

Official Methods of Analysis, Method 934.06.AOAC INTERNATIONAL, Moisture in Dried Fruits (modified).

Water Activity Analysis - (AOAC_978_18)

Official Methods of Analysis, Method 978.18.AOAC INTERNATIONAL, Water Activity of Canned Vegetables (modified).

FESA Labs (657) 317-7716 www.fesalabs.com ITTICIAI METNOGS OT ANAIYSIS, METNOG 978. 18.AUAC IN FERNATIONAL, WATER ACTIVITY OT CANNED VEGETADIES (MODIFIED