

Certificate of Analysis

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Sample Name : Sunny Sherbet

Sample ID	220250730-3104	Matrix	Flower		
Tested for	Clouds by Stro				
Sampled	1g	Received	07/21/25	Reported	07/31/25
Analyses executed	CAN+				



Cannabidiol / CBD	0.700%
D-9 Tetrahydrocannabinol / THC	0.190%
Tetrahydrocannabinolic Acid / THCa	23.320%
Total THC*	20.478%
Residual Pesticides	PASS
Mycotoxins	PASS
Heavy Metals	PASS
Microbial Impurities	PASS

UI Unidentified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Authorized Signature

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Michael Pearson, Lab Manager

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Cannabinoids Analysis

Instrument HPLC-VWD | Method SOP-001 HPLC Hemp by UV Detection
 The expanded Uncertainty of the Cannabinoid analysis is approximately $\pm 7.806\%$ at the 95% Confidence Level

Analyte	LOD/LOQ (mg/g)	Result (%)	Result (mg/g)
Cannabidivarin CBDV	0.002 / 0.012	0.030%	0.3
Cannabidiolic Acid CBDa	0.001 / 0.026	0.130%	1.3
Cannabigerol Acid CBGa	0.002 / 0.007	0.005%	0.05
Cannabidiol CBD	0.004 / 0.011	0.700%	7
Cannabigerol CBG	0.002 / 0.006	0.037%	0.37
Tetrahydrocannabivarin THCV	0.002 / 0.012	ND	ND
Cannabinol CBN	0.001 / 0.007	0.014%	0.14
Tetrahydrocannabinol Δ^9 -THC	0.002 / 0.014	0.190%	1.9
Delta 8 Tetrahydrocannabinol Δ^8 -THC	0.01 / 0.02	0.000%	0
Cannabicyol CBL	0.003 / 0.010	ND	ND
Cannabichromene CBC	0.003 / 0.010	0.021%	0.21
Tetrahydrocannabinolic Acid THCa	0.001 / 0.005	23.320%	233.20
Total THC (0.87* THCa + D9 THC)		20.478%	204.784
Total THC (0.87* THCa + D9 THC) + Δ^8-THC			204.784
Total CBD (0.877* CBDa + CBD)			8.1401
Total CBG (0.877* CBGa + CBG)			0.41385
Total Cannabinoids Analyzed		21.334%	213.33795

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Pesticide Analysis

Analyte	LOQ (PPM)	Limit (PPM)	Mass (ppm)	Status
Abamectin	0.050	0.10	ND	Pass
Acephate	0.050	0.10	ND	Pass
Acequinocyl	0.050	0.10	ND	Pass
Acetamiprid	0.050	0.10	ND	Pass
Aldicarb	0.050	0.10	ND	Pass
Azoxystrobin	0.050	0.10	ND	Pass
Bifenazate	0.050	0.10	ND	Pass
Bifenthrin	0.050	3.00	ND	Pass
Boscalid	0.050	0.10	ND	Pass
Captan	0.050	0.70	ND	Pass
Carbaryl	0.050	0.50	ND	Pass
Carbofuran	0.050	0.00	ND	Pass
Chlorantraniliprole	0.050	10.00	ND	Pass
Chlordane	0.050	0.00	ND	Pass
Chlorfenapyr	0.050	0.00	ND	Pass
Chlorpyrifos	0.050	0.10	ND	Pass
Clofentezine	0.050	2.00	ND	Pass
Coumaphos	0.050	1.00	ND	Pass
Cyfluthrin	0.050	0.00	ND	Pass
Cypermethrin	0.050	0.00	ND	Pass
Daminozide	0.050	0.10	ND	Pass
DDVP	0.050	0.10	ND	Pass
Diazinon	0.050	0.00	ND	Pass
Dimethoate	0.050	0.10	ND	Pass
Dimethomorph	0.050	0.10	ND	Pass
Ethoprophos	0.050	0.00	ND	Pass
Etofenprox	0.050	0.00	ND	Pass
Etoxazole	0.050	0.10	ND	Pass
Fenhexamid	0.050	0.10	ND	Pass
Fenoxycarb	0.050	0.00	ND	Pass
Fenpyroximate	0.050	0.10	ND	Pass
Fipronil	0.050	0.00	ND	Pass
Fonicamid	0.050	0.10	ND	Pass
Fludioxonil	0.050	0.10	ND	Pass
Hexythiazox	0.050	0.10	ND	Pass
Imazalil	0.050	0.00	ND	Pass
Imidacloprid	0.050	5.00	ND	Pass
Kresoxim Methyl	0.050	0.10	ND	Pass

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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
Methyl Parathion	0.050	0.00	ND	Pass
Mevinphos	0.050	0.00	ND	Pass
Myclobutanil	0.050	0.10	ND	Pass
Naled	0.050	0.10	ND	Pass
Oxamyl	0.050	0.50	ND	Pass
Paclobutrazol	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
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

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Mycotoxins

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

Heavy Metal Analysis

Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status
Arsenic	0.050	0.2	ND	Pass
Cadmium	0.050	0.2	ND	Pass
Lead	0.125	0.5	ND	Pass
Mercury	0.025	0.1	ND	Pass

Microbial Analysis

Analyte	LOQ (CFU/g)	Result (CFU/g)	Status
Salmonella spp.	< 1	Absent	Pass
Total E. coli	< 1	Absent	Pass
Total Coliforms	< 100	Absent	Pass
Total Yeast & Mold	< 100,000	5,000	Pass

Method References:

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_997)

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 Official Method 997.02 Yeast and Mold Counts in Foods; AOAC INTERNATIONAL (modified).