

Certificate of Analysis

Lemongrass Bee's Balm

Bee's Knees

3168 S 108th E Ave, Tulsa OK 74146

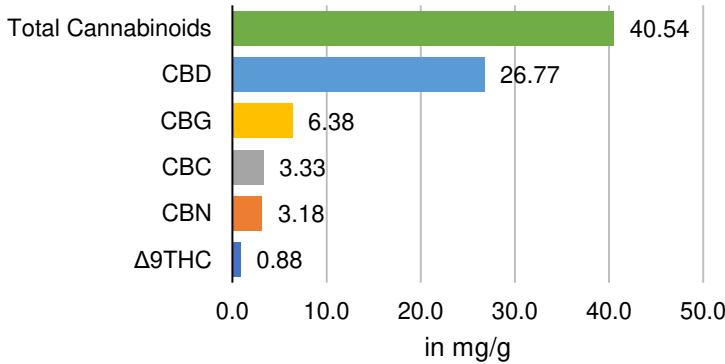


ORDER INFORMATION

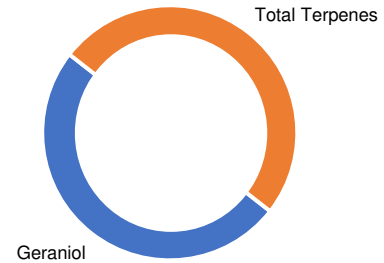
Sample Name	Lemongrass Bee's Balm
Source Batch ID	Lemongrass Bee's Balm
Tag #	Lemongrass Bee's Balm
Batch Name	Lemongrass Bee's Balm
Matrix Type	Topical
Harvest Date	2/26/2024
Date Received	2/26/2024
OMMA Lic.	N/A: Hemp-Derived Product
Sample Amount	3oz
Sample ID	AL-02262024-11727

Overall Result: PASS

Total Cannabinoids: 40.54 mg/g
Total CBD: 26.77 mg/g



Total Terpenes: 0.07 mg/g



*unit mass for this sample was not declared at intake

Hemp-Derived Product Test^{*}

Test	Pass / Fail
Contaminants & Filth	PASS
Heavy Metals	NT
Microbials	PASS
Moisture Content	NT
Mycotoxins	PASS
Pesticides	PASS
Residual Solvents & Chemicals	NT
Water Activity	NT

Digitally signed

by Vadim
Yerokhin, PhD

Vadim Yerokhin, PhD—Laboratory Director

For Notes and Abbreviations, please see the last page of this report.

*See Page 4 for relevant disclaimers.

Potency Analysis

Method: AL-SOP-9 using HPLC-DAD

Analyte	Test Type	LOQ (mg/g)	Result (%/w)	PPM	mg/g
CBC	Quantitative	0.6	0.333	3,332	3.33
CBD	Quantitative	0.6	2.677	26,767	26.77
CBDA	Quantitative	0.6	ND	ND	ND
CBDV	Quantitative	0.6	ND	ND	ND
CBG	Quantitative	0.6	0.638	6,379	6.38
CBGA	Quantitative	0.6	ND	ND	ND
CBL	Quantitative	0.6	ND	ND	ND
CBN	Quantitative	0.6	0.318	3,185	3.18
Δ8THC	Quantitative	0.6	ND	ND	ND
Δ9THC	Quantitative	0.6	0.088	880	0.88
THCA	Quantitative	0.6	ND	ND	ND
THCV	Quantitative	0.6	ND	ND	ND
Total Cannabinoids			4.054	40,544	40.54

(Analysis completed on Mar 01, 2024)

Terpenoid Screening

Method: AL-SOP-10 using GC-FID

Analyte	Test Type	LOQ (mg/g)	Result (%/w)	PPM	mg/g
Geraniol	Quantitative	0.02	0.007	73	0.07
(-)-α-Bisabolol	Quantitative	0.02	ND	ND	ND
α-humulene	Quantitative	0.02	ND	ND	ND
α-pinene	Quantitative	0.02	ND	ND	ND
α-terpinene	Quantitative	0.02	ND	ND	ND
β-Caryophyllene	Quantitative	0.02	ND	ND	ND
β-myrcene	Quantitative	0.02	ND	ND	ND
β-pinene	Quantitative	0.02	ND	ND	ND
Camphene	Quantitative	0.02	ND	ND	ND
δ-3-Carene	Quantitative	0.02	ND	ND	ND
Caryophyllene Oxide	Quantitative	0.02	ND	ND	ND
cis-nerolidol	Quantitative	0.02	ND	ND	ND
D-limonene	Quantitative	0.02	ND	ND	ND
Eucalyptol	Quantitative	0.02	ND	ND	ND
Guaiol	Quantitative	0.02	ND	ND	ND
(-)-isopulegol	Quantitative	0.02	ND	ND	ND
Linalool	Quantitative	0.02	ND	ND	ND
Ocimene	Quantitative	0.02	ND	ND	ND
P-cymene	Quantitative	0.02	ND	ND	ND
Terpinolene	Quantitative	0.02	ND	ND	ND
Trans-nerolidol	Quantitative	0.02	ND	ND	ND
γ-terpinene	Quantitative	0.02	ND	ND	ND
γ-terpinene	Quantitative	0.02	ND	ND	ND
Total Terpenes			0.007	73	0.07

(Analysis completed on Mar 01, 2024)

Foreign Materials

Method: Micro & Macroscopic Examination in acc. with AL-SOP-3 using an electronic microscope

Analyte	Test Type	Notes	Result	Pass / Fail
Chemical & Bio Contaminants	Qualitative		ND	PASS
Foreign Materials	Qualitative		ND	PASS
Inorganic Material	Qualitative		ND	PASS
Organic Material	Qualitative		ND	PASS
Final Result				PASS

(Analysis completed on Feb 27, 2024)

Microbiological Screening

Method: AL-SOP-07 & AL-SOP-08 using qPCR or Culture

Analyte	Test Type	Reporting Limit (CFUs)	Result (CFUs/g)	Pass / Fail
Aspergillus spp. (A. flavus)	P/A	1	ND	PASS
Aspergillus spp. (A. fumigatus)	P/A	1	ND	PASS
Aspergillus spp. (A. niger)	P/A	1	ND	PASS
Aspergillus spp. (A. terreus)	P/A	1	ND	PASS
Salmonella spp.	P/A	1	ND	PASS
STEC (Shiga Toxin-Producing E. coli)	P/A	1	ND	PASS
Total Yeasts & Molds	Q	10,000	ND	PASS
Final Result				PASS

(Analysis completed on Feb 29, 2024)

Mycotoxins

Method: AL-SOP-12 & AL-SOP-14 using LC-MS/MS

Analyte	Test Type	Reporting Limit (PPB)	LOQ (PPB)	Result (PPB)	Pass / Fail
Aflatoxins (Total)	Quantitative	20	20	ND	PASS
Ochratoxin A	Quantitative	20	20	ND	PASS
Final Result					PASS

(Analysis completed on Feb 29, 2024)

Pesticides

Method: AL-SOP-12 & AL-SOP-14 using LC-MS/MS

Analyte	Test Type	Reporting Limit (PPM)	LOQ (PPM)	Result (PPM)	Pass / Fail
Abamectin (avermectin B1a & B1b)	Quantitative	0.50	0.10	ND	PASS
Azoxystrobin	Quantitative	0.20	0.10	ND	PASS
Bifenazate	Quantitative	0.20	0.10	ND	PASS
Etoazole	Quantitative	0.20	0.10	ND	PASS
Imazalil	Quantitative	0.20	0.10	ND	PASS
Imidacloprid	Quantitative	0.40	0.10	ND	PASS
Malathion	Quantitative	0.20	0.10	ND	PASS
Myclobutanil	Quantitative	0.20	0.10	ND	PASS
Permethrin (Mixture of Isomers)	Quantitative	0.20	0.10	ND	PASS
Spinosad (Mixture of A & D)	Quantitative	0.20	0.10	ND	PASS
Spiromesifen	Quantitative	0.20	0.10	ND	PASS
Spirotetramat	Quantitative	0.20	0.10	ND	PASS
Tebuconazole	Quantitative	0.40	0.10	ND	PASS
Final Result					PASS

(Analysis completed on Feb 29, 2024)

The client represents and warrants that the submitted samples are in compliance with all applicable federal, state, and local laws and regulations concerning cultivation, production, and distribution of hemp-derived products

Abbreviations: NT: Not Tested; BD: Below Detection Limit; ND: Not Detected; NA: Not Applicable; TBI: To be issued; P/A: Presence/Absence (detection for microbials); Q: Quantitative (test type); <LOQ: below limit of quantitation*; >ULOQ: greater than the upper limit of quantitation.

Notes: Analysis for potency is reported as % by weight as follows: THC = Available THC, calculated as $THC = \Delta 9THC + (THCA \times 0.877)$. CBD was calculated similarly ($CBD = CBD + (CBDA \times 0.877)$) Total Cannabinoid content was calculated using the sum of the cannabinoids detected in sample. Note: If cannabinoid analytes required for calculations were below the limit of quantification, they were treated as absent for the purposes of the calculations. All potency for flower reported in dry weight.

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