

Certificate of Analysis

Paradise Brands

P.O. Box 263
Broken Arrow, OK 74103

OMMA Lic.: PAAA-0NVY-1TIB

Matrix Type:

Ingestible - Soft Chew

Sample Amount:

55g

Sample ID: AL-06152021-1391

Batch #: 4-1A

Sample Name:

50 mg THC Gummy

Harvest Date:

6/8/2021

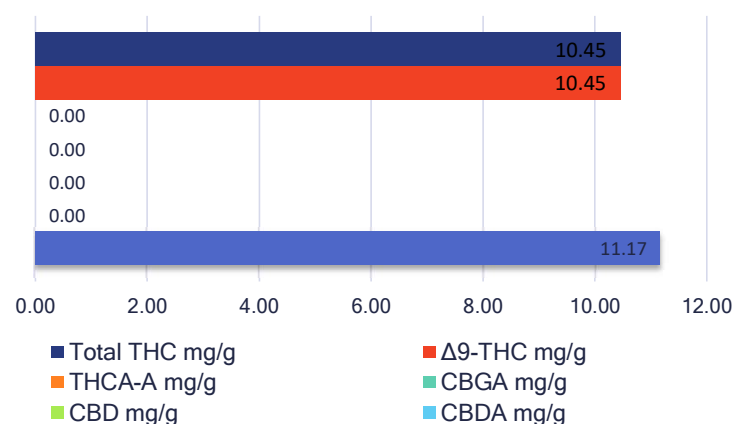
Date Received:

6/15/2021

51.21 mg THC/Soft Chew

10.45 mg/g THC

11.17 mg/g Total Cannabinoids



Total Terpenes: ND

- α-pinene
- camphene
- β-pinene
- β-myrcene
- δ-3-Carene
- α-terpinene
- p-cymene
- D-limonene
- ocimene
- γ-terpinene
- terpinolene
- linalool
- geraniol
- β-Caryophyllene
- α-humulene
- cis-nerolidol
- trans-nerolidol
- guaiol
- (-)-α-Bisabolol



Contaminants & Filth:	PASS
Heavy Metals:	PASS
Microbials:	PASS
Moisture Content:	NT
Mycotoxins:	PASS
Pesticides:	PASS
Residual Solvents & Chemicals:	PASS
Water Activity:	NT
Overall Result	PASS

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 $(CBD = CBD + (CBD \times 0.877))$ 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.

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

Average Soft Chew Weight: 4.9021 grams

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to Joint ISO/ILAC-IAF Communiqué dated April 2017). This product has been tested by Abraxas Labs, LLC using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Abraxas Labs, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Abraxas Labs, LLC.

Vadim Yerokhin, PhD –Laboratory Director

Laboratory OMMA Lic #: LAAA-MOXZ-FQ1G
1913 W Tacoma St, Suite B
Broken Arrow, OK 74012

abraxas-labs.com
(918) 924-5164

Potency Analysis

Analyte	Test Type	LOQ (mg/g)	Result (mg/g)
CBD	Quantitative	0.15	<LOQ
CBL	Quantitative	0.15	ND
CBC	Quantitative	0.15	0.13
CBDA	Quantitative	0.15	ND
CBDV	Quantitative	0.15	ND
CBG	Quantitative	0.15	0.38
CBGA	Quantitative	0.15	ND
CBN	Quantitative	0.15	0.13
THCA	Quantitative	0.15	ND
THCV	Quantitative	0.15	0.09
Δ8THC	Quantitative	0.15	ND
Δ9THC	Quantitative	0.15	10.45
Total Cannabinoids			11.17

Method: AL-SOP-9 using HPLC-DAD

Terpenoid Screening

Analyte	Test Type	LOQ (mg/g)	Result (%/w)	PPM	mg/g
α-pinene	Quantitative	0.8	ND	ND	ND
camphene	Quantitative	0.8	ND	ND	ND
β-pinene	Quantitative	0.8	ND	ND	ND
β-myrcene	Quantitative	0.8	ND	ND	ND
δ-3-Carene	Quantitative	0.8	ND	ND	ND
α-terpinene	Quantitative	0.8	ND	ND	ND
p-cymene	Quantitative	0.8	ND	ND	ND
D-limonene	Quantitative	0.8	ND	ND	ND
ocimene	Quantitative	0.8	ND	ND	ND
γ-terpinene	Quantitative	0.8	ND	ND	ND
terpinolene	Quantitative	0.8	ND	ND	ND
linalool	Quantitative	0.8	ND	ND	ND
geraniol	Quantitative	0.8	ND	ND	ND
β-Caryophyllene	Quantitative	0.8	<LOQ	ND	ND
α-humulene	Quantitative	0.8	ND	ND	ND
cis-nerolidol	Quantitative	0.8	ND	ND	ND
trans-nerolidol	Quantitative	0.8	ND	ND	ND
(-)-isopulegol	Quantitative	0.8	ND	ND	ND
guaiol	Quantitative	0.8	ND	ND	ND
(-)-α-Bisabolol	Quantitative	0.8	ND	ND	ND
Total Terpenes			0.00	0	0.00

Method: AL-SOP-10 using GC-FID

Foreign Materials

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

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

Final Result: PASS

Microbiological Screening

Analyte	Test Type	Reporting Limit (CFUs)	Result (CFUs/g)	Pass / Fail	
Shiga-Toxin producing E. coli Bacteria	P/A	1	0	PASS	
Salmonella sp.	P/A	1	0	PASS	
Aspergillus spp.	P/A	<i>A. niger:</i>	1	0	PASS
		<i>A. fumigatus:</i>	1	0	PASS
		<i>A. terreus:</i>	1	0	PASS
		<i>A. flavus:</i>	1	0	PASS
Yeasts & Molds	Q	10000	0	PASS	
<i>Method: AL-SOP-07 & AL-SOP-08 using qPCR</i>			Final Result:	PASS	

Mycotoxins & Pesticides

Analyte	Test Type	Reporting Limit	LOQ	Result	Pass / Fail
Mycotoxins (Reporting in PPB)					
Aflatoxins	Quantitative	20	20	ND	PASS
Ochratoxin A	Quantitative	20	20	ND	PASS
Pesticides (Reporting in PPM)					
Spiromesifen	Quantitative	0.200	0.200	ND	PASS
Spirotetramat	Quantitative	0.200	0.200	ND	PASS
Tebuconazole	Quantitative	0.400	0.200	ND	PASS
Etoazazole	Quantitative	0.200	0.200	ND	PASS
Imazalil	Quantitative	0.200	0.200	ND	PASS
Imidacloprid	Quantitative	0.400	0.200	ND	PASS
Malathion	Quantitative	0.200	0.200	ND	PASS
Myclobutanil	Quantitative	0.200	0.200	ND	PASS
Azoxystrobin	Quantitative	0.200	0.200	ND	PASS
Bifenazate	Quantitative	0.200	0.200	ND	PASS
Abamectine (Avermectins: B1a & B1b)	Quantitative	0.500	0.200	ND	PASS
Permethrin (Mixture of Isomers)	Quantitative	0.200	0.200	<LOQ	PASS
Spinosad (Mixture of A & D)	Quantitative	0.200	0.200	ND	PASS
<i>Method: AL-SOP-12 & AL-SOP-14 using LC-MS/MS</i>			Mycotoxins Final Result:	PASS	
			Pesticides Final Result:	PASS	

Heavy Metals

Analyte	Test Type	Reporting Limit (PPM)	LOQ (PPM)	Result (PPM)	Pass / Fail
Arsenic	Quantitative	0.200	0.015	ND	PASS
Cadmium	Quantitative	0.200	0.015	ND	PASS
Lead	Quantitative	0.500	0.015	ND	PASS
Mercury	Quantitative	0.100	0.015	ND	PASS
<i>Method: AL-SOP-15 using ICP-MS</i>			Final Result:	PASS	

Abraxas Labs



Residual Solvents

Analyte	Test Type	Reporting Limit (ppm)	LOQ (ppm)	Result	Pass / Fail
Acetone	Quantitative	1000	200	ND	PASS
Benzene	Quantitative	2	2	ND	PASS
Butanes	Quantitative	1000	200	ND	PASS
Ethanol	Quantitative	5000	200	ND	PASS
Ethyl Acetate	Quantitative	1000	200	ND	PASS
Heptanes	Quantitative	1000	200	ND	PASS
Hexane	Quantitative	60	50	ND	PASS
Isopropyl Alcohol	Quantitative	1000	200	ND	PASS
Methanol	Quantitative	600	50	ND	PASS
Pentane	Quantitative	1000	200	ND	PASS
Propane	Quantitative	1000	200	ND	PASS
Toluene	Quantitative	180	50	ND	PASS
Total Xylenes (m p o-xylenes)	Quantitative	430	50	ND	PASS

Method: AL-SOP-11 using GC-FID

Residual Solvents Final Result:

PASS