

## 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-06152021-1394

Batch #: 4-1A

### Sample Name:

25:25 mg CBD:THC Gummy

Harvest Date:

6/8/2021

Date Received:

6/15/2021

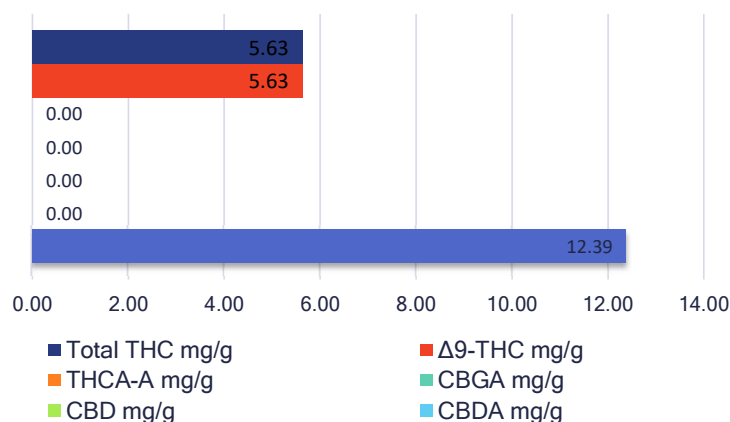
27.26 mg THC/Soft Chew

31.89 mg CBD/Soft Chew

5.63 mg/g THC

6.59 mg/g CBD

12.39 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	■ guaial	■ (-)-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  $\text{THC} = \Delta 9\text{THC} + (\text{THCA} \times 0.877)$ . CBD was calculated similarly ( $\text{CBD} = \text{CBD} + (\text{CBDA} \times 0.877)$ ). 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.

**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: 4.8422 grams

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	6.58
CBL	Quantitative	0.15	ND
CBC	Quantitative	0.15	<LOQ
CBDA	Quantitative	0.15	ND
CBDV	Quantitative	0.15	ND
CBG	Quantitative	0.15	0.17
CBGA	Quantitative	0.15	ND
CBN	Quantitative	0.15	<LOQ
THCA	Quantitative	0.15	ND
THCV	Quantitative	0.15	<LOQ
Δ8THC	Quantitative	0.15	ND
Δ9THC	Quantitative	0.15	5.63
<b>Total Cannabinoids</b>			<b>12.39</b>

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	ND	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
<b>Total Terpenes</b>			<b>0.00</b>	<b>0</b>	<b>0.00</b>

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**

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> :	0	PASS
		<i>A. fumigatus</i> :	0	PASS
		<i>A. terreus</i> :	0	PASS
		<i>A. flavus</i> :	0	PASS
Yeasts & Molds	Q	10000	0	PASS
Method: AL-SOP-07 & AL-SOP-08 using qPCR			<b>Final Result:</b>	<b>PASS</b>

## Mycotoxins & Pesticides

Analyte	Test Type	Reporting Limit	LOQ	Result	Pass / Fail
<b>Mycotoxins (Reporting in PPB)</b>					
Aflatoxins	Quantitative	20	20	ND	PASS
Ochratoxin A	Quantitative	20	20	ND	PASS
<b>Pesticides (Reporting in PPM)</b>					
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
Method: AL-SOP-12 & AL-SOP-14 using LC-MS/MS			<b>Mycotoxins Final Result:</b>	<b>PASS</b>	
			<b>Pesticides Final Result:</b>	<b>PASS</b>	

## 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
Method: AL-SOP-15 using ICP-MS			<b>Final Result:</b>	<b>PASS</b>	

# 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**