



Certificate of Analysis

CANNABUSINESS LABORATORIES, LLC

Customer:

Palmetto Synergistic Research
8856 Pee Dee Hwy
Conway, SC 29527 / 843-331-1246

Sample ID **221004007**
Order Number **CB221004005**
Sample Name **Sleep Gummy**

Received Date **10/4/2022**
COA Released **10/8/2022**

External Sample ID

Batch Number **22271**
Product Type **Edible**
Sample Type **Edible**

Comments

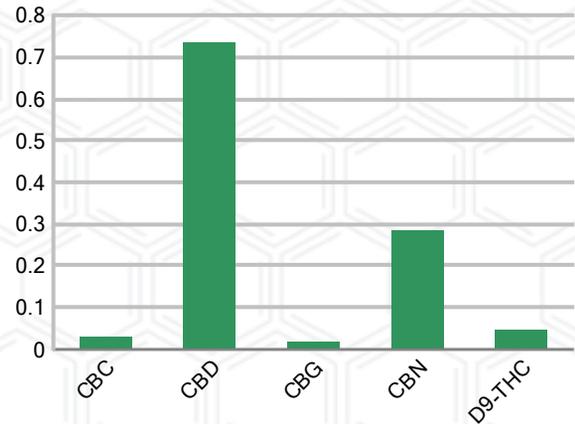
CANNABINOID PROFILE (Product Size = 3.11 g)

Analyte	LOQ (%)	% Weight	mg/g	mg/unit
CBC	0.01	0.030	0.295	0.92
CBD	0.01	0.734	7.340	22.83
CBDa	0.01	ND	ND	ND
CBDV	0.01	ND	ND	ND
CBG	0.01	0.017	0.169	0.53
CBGa	0.01	ND	ND	ND
CBN	0.01	0.285	2.848	8.86
d8-THC	0.01	ND	ND	ND
d9-THC	0.01	0.046	0.456	1.42
THCa	0.01	ND	ND	ND
Total Cannabinoids		1.111	11.11	34.55
Total Potential THC		0.046	0.456	1.42
Total Potential CBD		0.734	7.340	22.83
Total Potential CBG		0.017	0.169	0.53
Ratio of Total Potential CBD to Total Potential THC				15.96 : 1
Ratio of Total Potential CBG to Total Potential THC				0.37 : 1

SAMPLE IMAGE



CANNABINOIDS % Weight



*Total Cannabinoids refers to the sum of all cannabinoids detected.

*Total Potential CBD = (0.877 x CBDa) + CBD. *Total Potential THC = (0.877 x THCa) + THC. *Total Potential CBG = (0.877 x CBGa) + CBG.

*Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.



J. Hobgood
Laboratory Manager

SIGNATURE

Jamie Hobgood

LABORATORY MANAGER

10/08/2022 9:35 AM

DATE

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Overall Batch Results	
Pesticide	Moisture Content
Potency	Water Activity
Mycotoxins	Heavy Metals
Microbial Screen	Residual Solvents
Terpenoids	

Sample Name: Sleep Gummy

Sample ID: 221004007

Order Number: CB221004005

Product Type: Edible

Sample Type: Edible

Received Date: 10/04/2022

Batch Number: 22271

COA released: 10/08/2022 9:35 AM

Potency (mg/g)			
Date Tested: 10/04/2022		Method: CB-SOP-028	
Instrument:			

0.046 % Total THC	0.734 % Total CBD	1.111 % Total Cannabinoids	11.11 mg/g Total Cannabinoids
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Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	0.030	%	0.010	0.295	mg/g
CBD (Cannabidiol)	0.734	%	0.010	7.340	mg/g
CBDa (Cannabidiolic Acid)	ND	%	0.010	ND	mg/g
CBDV (Cannabidivarin)	ND	%	0.010	ND	mg/g
CBG (Cannabigerol)	0.017	%	0.010	0.169	mg/g
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/g
CBN (Cannabinol)	0.285	%	0.010	2.848	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	0.046	%	0.010	0.456	mg/g
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/g

Terpenoids					
Date Tested: 10/06/2022			Method: CB-SOP-026		
Instrument:					

Analyte	Result	Unit	LOQ	Result	Unit
alpha-Bisabolol	<LOQ	mg/g	0.100	<LOQ	%
alpha-humulene	<LOQ	mg/g	0.100	<LOQ	%
alpha-pinene	<LOQ	mg/g	0.100	<LOQ	%
alpha-terpinene	<LOQ	mg/g	0.100	<LOQ	%
beta-caryophyllene	<LOQ	mg/g	0.100	<LOQ	%
Beta-myrcene	<LOQ	mg/g	0.100	<LOQ	%
Beta-pinene	<LOQ	mg/g	0.100	<LOQ	%
cis-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Camphene	<LOQ	mg/g	0.100	<LOQ	%
d-Limonene	0.252	mg/g	0.100	0.0252	%
delta-3-Carene	<LOQ	mg/g	0.100	<LOQ	%
Eucalyptol	<LOQ	mg/g	0.100	<LOQ	%
gamma-Terpinene	<LOQ	mg/g	0.100	<LOQ	%
Geraniol	<LOQ	mg/g	0.100	<LOQ	%
Guaiol	<LOQ	mg/g	0.100	<LOQ	%
Isopulegol	<LOQ	mg/g	0.100	<LOQ	%
Linalool	<LOQ	mg/g	0.100	<LOQ	%
Ocimene (mixture of isomers)	<LOQ	mg/g	0.100	<LOQ	%
p-Isopropyltoluene (p-Cymene)	<LOQ	mg/g	0.100	<LOQ	%
trans-beta-Ocimene	<LOQ	mg/g	0.100	<LOQ	%
trans-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Terpinolene	<LOQ	mg/g	0.100	<LOQ	%

Pesticides			
Date Tested: 10/06/2022		Method: CB-SOP-025	
Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Bifenthrin	ND	ppm	0.100		Boscalid	ND	ppm	0.010	
Carbaryl	ND	ppm	0.010		Carbofuran	ND	ppm	0.010	
Chlorantraniliprole	ND	ppm	0.010		Chlorpyrifos	ND	ppm	0.010	
Clofentezine	ND	ppm	0.010		Coumaphos	ND	ppm	0.010	
Daminozide	ND	ppm	0.010		Diazinon	ND	ppm	0.010	
Dichlorvos	ND	ppm	0.100		Dimethoate	ND	ppm	0.010	
Etofenprox	ND	ppm	0.010		Etoazole	ND	ppm	0.010	
Fenhexamid	ND	ppm	0.010		Fenoxycarb	ND	ppm	0.010	
Fenpyroximate	ND	ppm	0.010		Fipronil	ND	ppm	0.010	
Flonicamid	ND	ppm	0.100		Fludioxonil	ND	ppm	0.010	
Hexythiazox	ND	ppm	0.010		Imazalil	ND	ppm	0.010	
Imidacloprid	ND	ppm	0.010		Malathion	ND	ppm	0.010	
Metalaxyl	ND	ppm	0.010		Methiocarb	ND	ppm	0.010	
Methomyl	ND	ppm	0.010		Myclobutanil	ND	ppm	0.010	

NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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Pesticides								
Date Tested: 10/06/2022			Method: CB-SOP-025			Instrument:		

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Naled	ND	ppm	0.010		Oxamyl	ND	ppm	0.010	
Paclbutrazol	ND	ppm	0.010		Phosmet	ND	ppm	0.010	
Prallethrin	ND	ppm	0.010		Propiconazole	ND	ppm	0.010	
Propoxur	ND	ppm	0.010		Pyrethrin I	ND	ppm	0.010	
Pyrethrin II	ND	ppm	0.010		Pyridaben	ND	ppm	0.010	
Spinetoram	ND	ppm	0.010		Spiromesifen	ND	ppm	0.010	
Spirotetramat	ND	ppm	0.010		Tebuconazole	ND	ppm	0.010	
Thiacloprid	ND	ppm	0.010		Thiamethoxam	ND	ppm	0.010	
Trifloxystrobin	ND	ppm	0.010		Ethoprophos	ND	ppm	0.010	
Kresoxym-methyl	ND	ppm	0.010		Permethrins	ND	ppm	0.010	
Piperonyl Butoxide	ND	ppm	0.010		Spinosyn A	ND	ppm	0.010	
Spiroxamine-1	ND	ppm	0.010		AbamectinB1a	ND	ppm	0.010	
Spinosyn D	ND	ppm	0.010		Acephate	ND	ppm	0.010	
Acetamiprid	ND	ppm	0.010		Aldicarb	ND	ppm	0.010	
Azoxystrobin	ND	ppm	0.010		Bifenazate	ND	ppm	0.010	

Mycotoxins								
Date Tested: 10/06/2022			Method: CB-SOP-025			Instrument:		

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Ochratoxin A	ND	ppm	0.010		Aflatoxin B1	ND	ppm	0.010	
Aflatoxin G2	ND	ppm	0.010		Aflatoxin B2	ND	ppm	0.010	
Aflatoxin G1	ND	ppm	0.010						

Metals								
Date Tested: 10/06/2022			Method: CB-SOP-027			Instrument:		

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.500		Cadmium	<LOQ	ppm	0.500	
Lead	<LOQ	ppm	0.500		Mercury	<LOQ	ppm	3.000	

Microbial								
Date Tested: 10/07/2022			Method:			Instrument:		

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
STEC (E. coli)	Negative				Salmonella	Negative			
L. monocytogenes	Negative				Yeast/Mold (qPCR)	0	CFUs		

Residual Solvent								
Date Tested: 10/07/2022			Method: CB-SOP-032			Instrument:		

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
1-4 Dioxane	<LOQ	ppm	29		2-Butanol	<LOQ	ppm	175	
2-Ethoxyethanol	<LOQ	ppm	24		2-Methylpentane	<LOQ	ppm	87	
3-Methylpentane	<LOQ	ppm	87		2-Propanol	<LOQ	ppm	350	
Cyclohexane	<LOQ	ppm	146		Ether	<LOQ	ppm	350	
Ethylbenzene	<LOQ	ppm	81		Acetone	<LOQ	ppm	350	
Isopropyl Acetate	<LOQ	ppm	175		Methylbutane	<LOQ	ppm	350	
n-Heptane	<LOQ	ppm	350		n-Hexane	<LOQ	ppm	87	
n-Pentane	<LOQ	ppm	350		Tetrahydrofuran	<LOQ	ppm	54	
Acetonitrile	<LOQ	ppm	123		Ethanol	<LOQ	ppm	350	
Ethyl acetate	<LOQ	ppm	175		o-Xylene	<LOQ	ppm	81	
m+p-Xylene	<LOQ	ppm	163		Methanol	<LOQ	ppm	250	
Methylene Chloride	<LOQ	ppm	90		Toluene	<LOQ	ppm	67	

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CANNABUSINESS LABORATORIES, LLC




Laboratory Manager

Jamie Hobgood

10/08/2022 9:35 AM

SIGNATURE

DATE

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