



Sleepy Bear
 1016 F Street
 San Diego, CA 92101
 www.sleepybeargummies.com



Sleepy Bear (#1002001)

Order ID#:	20201102-370	Lab Code#: LC-20201102-902
Product Type:	Edible	Sample date: 4-Nov-2020
Lot Number:	#1002001	Sample received: 6-Nov-2020
Batch Number:	#100201	Completed: 20-Nov-2020
Unit Amount (g)*:	3.625	Report expires: 20-Nov-2021

SAFETY ANALYSIS

Microbials PASS	Mycotoxins PASS	Pesticides PASS	Metals PASS	Solvents PASS
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CANNABINOID PROFILE

CBD (mg/unit)	5.37
CBN (mg/unit)	4.70
0.148% Total CBD	0% Total THC
Total Potency - mg/unit -	10.1

TOP TERPENES PROFILE (ppm)



Terpene	Result (ppm)	Result (%)
Geraniol	5.770	0.00058
α-Bisabolol	4.872	0.00049
δ-Limonene	1.474	0.00015
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FILTH AND FOREIGN MATERIAL

PASS
Analysis Batch: WO-20110906
Analysis Date: 11-Nov-2020

WATER DETERMINATIONS

	Water Activity	% Moisture
	Analysis Batch: WO-20110907	
	Analysis Date: 10-Nov-2020	11-Nov-2020
	Result: 0.6945	3.00%
	Instrument: I40	E15

Comments:

* Weight uniformity: average of 6 weighings.
 Revised for cannabinoid profile.

Authorization



YoungChul Park, Ph.D., Laboratory Director
 Approval Date: 20-Nov-2020

Test results are based solely upon the test article submitted to Americanna Laboratories, LLC in the condition it was received. Americanna Laboratories, LLC warrants that all analytical work was conducted in a professional manner in accordance with the requirements of ISO/IEC 17025:2017 (#102139), such as comparison to Certified Reference Materials and NIST traceable Reference Standards. This report shall not be reproduced, except in its entirety, without the written approval of Americanna Laboratories, LLC. Test results are confidential unless explicitly waived. Void after 1 year from test end date.

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CANNABINOIDS

Analyte	%	mg/g	mg/edible	LOD (%)
THCA-A	ND	ND	ND	0.0004
Δ9-THC	ND	ND	ND	0.0004
CBDA	ND	ND	ND	0.0004
CBD	0.148	1.480	5.366	0.0004
CBN	0.130	1.296	4.697	0.0004
CBDV	ND	ND	ND	0.0004
Δ8-THC	ND	ND	ND	0.0004
THCV	ND	ND	ND	0.0004
CBG	ND	ND	ND	0.0004
CBGA	ND	ND	ND	0.0004
CBC	ND	ND	ND	0.0004

Total THC^a **0 mg/g**
0% **PASS**

Total CBD^b **CBN**
5.37 mg **4.70 mg**

TOTAL^c **2.8 mg/g**
0.28% **10.1 mg**

Test Method: SOP 6.6 (HPLC)

Analysis Batch: WO-20111812

Analysis Date: 19-November-2020

^a Total THC is calculated as THC + (THCA × 0.877).

^b Total CBD is calculated as CBD + (CBDA × 0.877).

^c Total cannabinoids is the absolute sum of all cannabinoids above the level of detection.

TERPENES

Analyte	Result (µg/g)	Result (%)
α-Bisabolol	4.872	0.00049
α-Humulene	ND	ND
α-Pinene	ND	ND
α-Terpinene	ND	ND
β-Caryophyllene	ND	ND
β-Myrcene	ND	ND
β-Ocimene 1	ND	ND
β-Ocimene 2	ND	ND
β-Pinene	ND	ND
Camphene	ND	ND
Caryophyllene-oxide	ND	ND
δ-3-Carene	ND	ND

LOD = 0.0002%

Analyte	Result (µg/g)	Result (%)
δ-Limonene	1.474	0.00015
Eucalyptol	ND	ND
γ-Terpinene	ND	ND
Geraniol	5.770	0.00058
Guaiol	ND	ND
Isopulegol	ND	ND
Linalool	ND	ND
Nerolidol 1	ND	ND
Nerolidol 2	ND	ND
p-Cymene	ND	ND
Terpinolene	ND	ND

Total Terpenes: **12.12** **0.00121**

Total (µg/unit): **43.92**

Analysis Batch: WO-20110605

Analysis Date: Friday, November 06, 2020

Test Method: SOP 6.9

Instrument: Agilent GC-FID/MS, Instrument 36

Comments:

None.

Authorization



YoungChul Park, Ph.D., Laboratory Director

Approval Date: 20-Nov-2020

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PESTICIDES

Analyte	Action Level	Result (µg/g)
Abamectin	0.30	ND - Pass
Acephate	3.00	ND - Pass
Acequinocyl	2.00	ND - Pass
Acetamiprid	3.00	ND - Pass
Aldicarb	0.10	ND - Pass
Azoxystrobin	3.00	ND - Pass
Bifenazate	3.00	ND - Pass
Carbaryl	0.50	ND - Pass
Carbofuran	0.10	ND - Pass
Chlorantraniliprole	3.00	ND - Pass
Chlorfenapyr	0.05	ND - Pass
Chlorpyrifos	0.10	ND - Pass
Coumaphos	0.10	ND - Pass
Daminozide	0.10	ND - Pass
Diazinon	0.20	ND - Pass
Dichlorvos	0.10	ND - Pass
Dimethoate	0.10	ND - Pass
Dimethomorph (I/II)	3.00	ND - Pass
Ethoprophos	0.10	ND - Pass
Etofenprox	0.10	ND - Pass
Etoazole	1.50	ND - Pass
Fenhexamid	3.00	ND - Pass
Fenoxycarb	0.10	ND - Pass
Fenpyroximate	2.00	ND - Pass
Fipronil	0.10	ND - Pass
Flonicamid	2.00	ND - Pass
Fludioxonil	3.00	ND - Pass

Analyte	Action Level	Result (µg/g)
Hexythiazox	2.00	ND - Pass
Imazalil	0.10	ND - Pass
Imidacloprid	1.00	ND - Pass
Kresoxim methyl	1.00	ND - Pass
Malathion	3.00	ND - Pass
Metalaxyl	0.10	ND - Pass
Methiocarb	0.10	ND - Pass
Methomyl	0.10	ND - Pass
Mevinphos (I/II)	0.10	ND - Pass
Myclobutanil	3.00	ND - Pass
Naled	0.50	ND - Pass
Oxamyl	1.50	ND - Pass
Phosmet	0.20	ND - Pass
Piperonyl butoxide	3.00	ND - Pass
Prallethrin	0.40	ND - Pass
Propiconazole	1.00	ND - Pass
Propoxur	2.10	ND - Pass
Pyrethrins	1.00	ND - Pass
Pyridaben	3.00	ND - Pass
Spinetoram (J/L)	3.00	ND - Pass
Spinosad A + D	3.00	ND - Pass
Spiromesifen	3.00	ND - Pass
Spirotetramat	3.00	ND - Pass
Spiroxamine (I/II)	0.10	ND - Pass
Tebuconazole	1.00	ND - Pass
Thiacloprid	0.10	ND - Pass
Thiamethoxam	1.00	ND - Pass
Trifloxystrobin	3.00	ND - Pass

Analysis Batch: WO-20110904
Analysis Date: Tuesday, November 10, 2020

Test Method: SOP 6.7
Instrument: Agilent LC-MS/MS, Instrument 32

MYCOTOXINS

Analyte	Report	Result	Action Limit	LOD	Unit
Aflatoxin, Total	Pass	ND	0.020	0.005	µg/g
Ochratoxin A	Pass	ND	0.020	0.005	µg/g

* Total Aflatoxin includes B1, B2, G1 and G2.

Analysis Batch: WO-20110904
Analysis Date: Tuesday, November 10, 2020

Test Method: SOP 6.7
Instrument: Agilent LC-MS/MS, Instrument 33

Comments:

None.

Authorization



YoungChul Park, Ph.D., Laboratory Director
 Approval Date: 20-Nov-2020

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RESIDUAL SOLVENTS

Analyte	Action Level	Result (µg/g)
1,2-Dichloroethane	5	ND - Pass
Acetone	5000	ND - Pass
Acetonitrile	410	ND - Pass
Benzene	2	ND - Pass
Butane	2000	ND - Pass
Chloroform	60	ND - Pass
Ethanol	5000	ND - Pass
Ethyl Acetate	5000	ND - Pass
Ethyl Ether	5000	ND - Pass
Ethylene Oxide	5	ND - Pass

Analyte	Action Level	Result (µg/g)
Heptane	5000	ND - Pass
Hexane	290	ND - Pass
Isopropyl Alcohol	500	ND - Pass
Methanol	3000	ND - Pass
Methylene Chloride	600	ND - Pass
Pentane	5000	ND - Pass
Propane	2100	ND - Pass
Toluene	890	ND - Pass
Trichloroethylene	80	ND - Pass
Xylenes, Total	2170	ND - Pass

Analysis Batch: WO-20110905
Analysis Date: Wednesday, November 11, 2020

Test Method: SOP 6.8
Instrument: Agilent GC-FID/MS, Instrument 36

MICROBIAL CONTAMINANTS

Test	Report	Result	Specification
Shiga toxin-producing E.coli (STEC)	Pass	Absent	Absent in 1 gram
Salmonella	Pass	Absent	Absent in 1 gram
Listeria	Pass	Absent	Absent in 1 gram

Analysis Batch: WO-20110604
Analysis Date: Tuesday, November 10, 2020

Test Method: SOP 6.11 (qPCR)
Instrument: Agilent AriaMX, Instrument 38

HEAVY METALS

Element	Report	Result	Action Limit	LOD	Unit
Lead	Pass	ND	0.50	0.050	µg/g
Arsenic	Pass	ND	1.5	0.050	µg/g
Mercury	Pass	ND	3.0	0.005	µg/g
Cadmium	Pass	ND	0.50	0.050	µg/g

Analysis Batch: WO-20110903
Analysis Date: Wednesday, November 11, 2020

Test Method: SOP 6.10
Instrument: Agilent ICP/MS, Instrument 37

Comments:

None.

Authorization



YoungChul Park, Ph.D., Laboratory Director
 Approval Date: 20-Nov-2020

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