



### CERTIFICATE OF ANALYSIS

**Product:** CBD+SLEEP gummies (10ct)      **Product code:** FG000435  
**Lot number:** GMY-64  
**Manufacturing date:** 8/4/2020  
**Expiration date:** 10/4/2020

Test	Units	Specification	Pass/Fail
CBD content	mg/g	25 mg/10g	PASS
Valerian Root Extract	mg/g	75 mg/10g	PASS
Lemon Balm Extract	mg/g	200 mg/10g	PASS

The purity, strength and composition of this lot was verified in aggregate by Quality Assurance review of third party laboratory full panel analysis of finished good CBD content, heavy metals, solvents, pesticides and microbiology, a third party laboratory identity of Valerian Root Extract and Lemon Balm Extract, and the batch production record to verify formulation control.

Finished good potency and contaminant testing\* performed by:

*\*Cannabinoid, Solvents, Pesticides, Heavy Metals, Microbiology*

Report # 20-009167/D05.R00

Active ingredients (Lemon Balm and Valerian Root) testing performed by:

Report # LFP-229912

Quality Manager:

Date:

9/8/2020



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 20-009167/D05.R00  
**Report Date:** 09/03/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 08/28/20 09:38

**Customer:** Sentia Wellness  
**Product identity:** CBD+SLEEP Gummies (10ct) Lot GMY-64  
**Client/Metric ID:**  
**Laboratory ID:** 20-009167-0001

**Sample Date:** 08/28/20

### Summary

#### Potency:

Analyte	Result	Limits	Units	Status		
CBD	0.320		%		CBD-Total (%)	0.320 %
CBG†	0.00902		%			
<b>Analyte per 1g</b>	<b>Result</b>	<b>Limits</b>	<b>Units</b>	<b>Status</b>	CBD-Total per 1g	3.20 mg/1g
CBD per 1g	3.20		mg/1g			
CBG per 1g	0.0902		mg/1g		CBD-Total per 10g	32.0 mg/10g
<b>Analyte per 10g</b>	<b>Result</b>	<b>Limits</b>	<b>Units</b>	<b>Status</b>	THC-Total (%)	<LOQ
CBD per 10g	32.0		mg/10g			
CBG per 10g	0.902		mg/10g			

(Reported in milligrams per serving)

#### Residual Solvents:

All analytes passing and less than LOQ.

#### Pesticides:

All analytes passing and less than LOQ.

#### Metals:

Analyte	Result	Limits	Analyte	Result	Limits
Lead	0.0135		Arsenic	0.0118	

#### Microbiology:

Analyte	Result	Limits
Aerobic Plate Count	10	



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**Customer:** Sentia Wellness  
 PO Box 5665  
 Portland Oregon 97228  
 United States

**Product identity:** CBD+SLEEP Gummies (10ct) Lot GMY-64

**Client/Metric ID:**

**Sample Date:** 08/28/20

**Laboratory ID:** 20-009167-0001

**Relinquished by:** Erin Harbacek

**Temp:** 25.2 °C

**Serving Size #1:** 1 g

**Serving Size #2:** 10 g

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Batch: 2007188	Analyze: 9/1/20 5:29:00 PM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.0033	
CBC-A <sup>1</sup>	< LOQ		%	0.0033	
CBC-Total <sup>1</sup>	< LOQ		%	0.0061	
CBD	0.320		%	0.0033	
CBD-A	< LOQ		%	0.0033	
CBD-Total	0.320		%	0.0061	
CBDV <sup>1</sup>	< LOQ		%	0.0033	
CBDV-A <sup>1</sup>	< LOQ		%	0.0033	
CBDV-Total <sup>1</sup>	< LOQ		%	0.0061	
CBG <sup>1</sup>	0.00902		%	0.0033	
CBG-A <sup>1</sup>	< LOQ		%	0.0033	
CBG-Total	0.00902		%	0.0061	
CBL <sup>1</sup>	< LOQ		%	0.0033	
CBN	< LOQ		%	0.0033	
Δ8-THC <sup>1</sup>	< LOQ		%	0.0033	
Δ9-THC	< LOQ		%	0.0033	
THC-A	< LOQ		%	0.0033	
THC-Total	< LOQ		%	0.0061	
THCV <sup>1</sup>	< LOQ		%	0.0033	
THCV-A <sup>1</sup>	< LOQ		%	0.0033	
THCV-Total <sup>1</sup>	< LOQ		%	0.0061	
<b>Total Cannabinoids<sup>1</sup></b>	<b>0.329</b>		%		

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



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**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	10		cfu/g	10	2007071	08/30/20	AOAC 990.12 (Petrifilm)	X
E.coli	< LOQ		cfu/g	10	2007072	08/30/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2007072	08/30/20	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2007073	08/30/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2007073	08/30/20	AOAC 2014.05 (RAPID)	X
Salmonella spp.	Negative		/25g		2007077	08/29/20	AOAC 2016.01	X

Solvents		Method EPA5021A				Units µg/g	Batch 2007158	Analyze 09/01/20 08:46 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethanol <sup>l</sup>	< LOQ		200		
Ethyl acetate	< LOQ	5000	200	pass		Ethyl benzene	< LOQ		200		
Ethyl ether	< LOQ	5000	200	pass		Ethylene glycol	< LOQ	620	200	pass	
Ethylene oxide	< LOQ	50.0	30.0	pass		Hexanes (sum)	< LOQ	290	150	pass	
Isopropyl acetate	< LOQ	5000	200	pass		Isopropylbenzene	< LOQ	70.0	30.0	pass	
m,p-Xylene	< LOQ		200			Methanol	< LOQ	3000	200	pass	
Methylene chloride	< LOQ	600	200	pass		Methylpropane	< LOQ		200		
n-Butane	< LOQ		200			n-Heptane	< LOQ	5000	200	pass	
n-Hexane	< LOQ		30.0			n-Pentane	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass	
Propane	< LOQ	5000	200	pass		Tetrahydrofuran	< LOQ	720	100	pass	
Toluene	< LOQ	890	100	pass		Total Xylenes	< LOQ		400		
Total Xylenes and Ethyl	< LOQ	2170	600	pass							

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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2007243 Analyze 09/03/20 09:58 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

**Metals**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	0.0118		mg/kg	0.00901	2007229	09/02/20	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.00901	2007229	09/02/20	AOAC 2013.06 (mod.)	X
Lead	0.0135		mg/kg	0.00901	2007229	09/02/20	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.00451	2007229	09/02/20	AOAC 2013.06 (mod.)	X

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Testing in accordance with: OAR 333-007-0000 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aflatoxin B1 <sup>1</sup>	< LOQ		µg/kg	5.00	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Aflatoxin B2 <sup>1</sup>	< LOQ		µg/kg	5.00	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Aflatoxin G1 <sup>1</sup>	< LOQ		µg/kg	5.00	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Aflatoxin G2 <sup>1</sup>	< LOQ		µg/kg	5.00	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Deoxynivalenol <sup>1</sup>	< LOQ		µg/kg	200	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Fumonisin B1 <sup>1</sup>	< LOQ		µg/kg	200	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Fumonisin B2 <sup>1</sup>	< LOQ		µg/kg	200	2007200	09/02/20	AOAC 2007.01 & EN 15662	
HT2-Toxin <sup>1</sup>	< LOQ		µg/kg	40.0	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Nivalenol <sup>1</sup>	< LOQ		µg/kg	400	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Ochratoxin A <sup>1</sup>	< LOQ		µg/kg	5.00	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Ochratoxin B <sup>1</sup>	< LOQ		µg/kg	2.00	2007200	09/02/20	AOAC 2007.01 & EN 15662	
T2-Toxin <sup>1</sup>	< LOQ		µg/kg	20.0	2007200	09/02/20	AOAC 2007.01 & EN 15662	
Zearalenone <sup>1</sup>	< LOQ		µg/kg	200	2007200	09/02/20	AOAC 2007.01 & EN 15662	



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These test results are representative of the individual sample selected and submitted by the client.

**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

**Units of Measure**

/25g = Per 25g

cfu/g = Colony forming units per gram

g = Gram

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/1g = Milligram per 1g

mg/10g = Milligram per 10g

% = Percentage of sample

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager



**IEH**  
**Laboratories &**  
**Consulting Group**

**CERTIFICATE OF ANALYSIS**  
**Sentia Wellness - 19646 NE Sandy Blvd, Portland, OR 97230**

Contact: Erin Harbacek  
 19646 NE Sandy Blvd  
 Portland, OR 97230  
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 www.iehinc.com

TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

**PO # AC 8.3.20**

**WO: 1160887**      **Rec. Date: 8/6/2020 17:02**      **Report Date: 8/14/2020**      **Report No: LFP-229912**

Lab Sample No	Cust. Sample No	Sample Desc	Plant Identification (Melissa officinalis; Lemon Balm)	Plant Identification (Valeriana officinalis; Valerian root)
1160887-001	CBD+sleep Lot: WPGMY-103	gummies	Detected	Detected
Test Method: Plant Identification (Melissa officinalis; Lemon Balm) = Plant Identification (Melissa officinalis; Lemon Balm) Genetic Identification [MB541, MB558], Plant Identification (Valeriana officinalis; Valerian root) = Plant Identification (Valeriana officinalis; Valerian root) Genetic Identification [MB541, MB558]				

**Note** Method Detection Limit (MDL) is 0.01%.

UNLESS OTHERWISE NOTED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THE RESULT(S) IN THIS REPORT RELATE ONLY TO THE PORTION OF THE SAMPLE(S) TESTED. THIS REPORT DOES NOT CONSTITUTE A RELEASE OF PRODUCT FOR CONSUMPTION. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS DOCUMENT CONTAINS CONFIDENTIAL COMMERCIAL INFORMATION PURSUANT TO 5 U.S.C. SEC. 552(b)(4).

*Kristina Tenney*  
 Authorized Analyst: Kristina Tenney