



Certificate of Analysis
May 26, 2021

Sample ID: FP-21-0113
Product Name: PlusCBD Sleep Gummies – Raspberry
Strength: 10mg 30ct
Lot #: A102330421
Expiration: 05/23
Storage Conditions: Store away from direct heat and light

Criteria	Specification	Test Method	cGMP requirements	Results
Appearance	Glossy cubic gummy	Gross Organoleptic	Composition, Identity	Complies
Color	Dark Brown/Red	Gross Organoleptic	Identity	Complies
Aroma	Sweet Fruity	Gross Organoleptic	Identity	Complies
Count	28-32 units	Gravimetric	Composition	Complies
CBD content	≥100% label claim (≥10mg/gummy)	HPLC-UV	Strength, Purity, Identity	10.49mg/3.60g
Magnolia Extract content	NLT 50mg per serving (honokiol - NLT 1mg per serving)	Quantity by input or HPLC	Strength, Purity, Identity	Complies
Lemon Balm Extract content	NLT 50mg per serving (rosmarinic acid – NLT 2.5mg per serving)	Quantity by input or HPLC	Strength, Purity, Identity	Complies
Melatonin content	NLT 3mg per serving	Quantity by input or HPLC	Strength, Purity, Identity	Complies
D9-THC content (impurities)	< 0.3% THC	HPLC-UV	Purity, Identity	Complies
Micro				
TAPC	< 100,000 cfu/g	Petifilm	Purity	Complies
Total Yeast & Mold	< 10,000 cfu/g	Petrifilm or Agar Plates	Purity	Complies
E. Coli	Not Detected in 1g	Blood Agar and PCR	Purity	Complies
Salmonella	Not Detected in 1g	Salmonella Petrifilm and PCR	Purity	Complies
Pseudomonas	Not Detected in 1g	Cetrimide Selective Agar	Purity	Complies
Coliforms	< 1,000 cfu/g	Petrifilm	Purity	Complies
Water Activity	NMT 0.85	Water Activity Analyzer	Purity	0.6304
Pesticide Residue	Passes BCC lists and limits	HPLC-MS	Limits on contaminants	Complies
Residual Solvents	Passes BCC lists and limits	HS-GC	Limits on contaminants	Complies
Heavy Metals				
Arsenic	NMT 1.5 ppm	ICP MS	Limits on contaminants	<0.033 ppm
Cadmium	NMT 0.5 ppm	ICP MS	Limits on contaminants	<0.033 ppm
Lead	NMT 0.5 ppm	ICP MS	Limits on contaminants	0.127 ppm
Mercury	NMT 3 ppm	ICP MS	Limits on contaminants	<0.033 ppm

Hayley Palmer

MAY 26 2021

Prepared By
Hayley Palmer, B.S.
Quality Analyst

Ryan Santiago

MAY 26 2021

Approved By
Ryan Santiago, B.S.
Senior Quality Associate



CV SCIENCES™

Certificate of Analysis
May 12, 2021

Sample ID: FP-21-0113
Product Name: PlusCBD Sleep Gummies – Raspberry
Batch/Lot #: A102330421
Strength: 10mg 30ct
Expiration: 05/23
Analyst: HP



<u>Physical Properties</u>	<u>Result</u>	<u>Method</u>
Appearance	Pass	Organoleptic
Color	Pass	Organoleptic
Aroma	Pass	Organoleptic
<u>Cannabinoid</u>	<u>mg/unit</u>	<u>Method</u>
CBD	10.61	HPLC
CBDV	0.06	HPLC
CBDA	ND	HPLC
CBGA	ND	HPLC
CBG	0.01	HPLC
CBN	ND	HPLC
Δ ⁹ -THC	0.05	HPLC
CBC	0.18	HPLC
THCA	ND	HPLC
Total Cannabinoids	10.97 mg	
Sample Size	3.66 g (1 gummy)	
THC by Mass	0.0014 %	

ND = NOT DETECTED

Hayley Palmer

MAY 12 2021

Ryan Santiago

MAY 12 2021

Analyst
Hayley Palmer, B.S.
Quality Analyst

Date

Reviewed By
Ryan Santiago, B.S.
Senior Quality Associate

Date

This Certificate of Analysis has been generated to document product test results. The "Reviewed By" signature does not indicate finished product release for distribution.



Certificate of Analysis

CV Sciences, Inc.

10070 Barnes Canyon Road
San Diego, CA 92121
Vandana Kothari

Sample

2105DBL0071.4878

Batch FP-21-0113

Lot A102330421

Ordered 5/11/2021

Completed 5/18/2021

PlusCBD Sleep Gummies - 10mg Raspberry 30ct EXP: 05/23

Cannabinoids				
	10.49	0.29	3.60	
Total CBD (mg/unit)	% Total CBD		Unit weight (g)	
Cannabinoid	LOQ %	Mass %	Mass mg/g	Concentration
CBD	0.01	0.29	2.9	
CBDA	0.01	<LOQ	<LOQ	
d9-THC	0.01	<LOQ	<LOQ	
THCA-A	0.01	<LOQ	<LOQ	
dB-THC	0.01	<LOQ	<LOQ	
THCV	0.01	<LOQ	<LOQ	
CBDV	0.01	<LOQ	<LOQ	
CBDVA	0.01	<LOQ	<LOQ	
CBGA	0.01	<LOQ	<LOQ	
CBG	0.01	<LOQ	<LOQ	
CBN	0.01	<LOQ	<LOQ	
CBC	0.01	<LOQ	<LOQ	
CBL	0.01	<LOQ	<LOQ	

Pesticides/Plant Growth Regulators			
Pesticides	Status	Sample (PPB)	LOQ (PPB)
Acequinocyl	PASS	<LOQ	10
Abamectin	PASS	<LOQ	10
Bifenazate	PASS	<LOQ	10
Fenoxycarb	PASS	<LOQ	10
Fludioxonil	PASS	<LOQ	10
Imidacloprid	PASS	<LOQ	10
Myclobutanil	PASS	<LOQ	10
Pyrethrin	PASS	<LOQ	10
Spinosad	PASS	<LOQ	10
Spiromesifen	PASS	<LOQ	10
Spirotetramat	PASS	<LOQ	10
Tebuconazole	PASS	<LOQ	10
Plant Growth Regulators			
Daminozide	PASS	<LOQ	10

Residual Solvents		
Compound	Status	Limit (PPM)
Propane	PASS	500
Methanol	PASS	500
Isobutane	PASS	500
Ethanol	PASS	500
Isopropanol	PASS	500
Isopentane	PASS	500
n-Butane	PASS	500
n-Hexane	PASS	500
2,2-Dimethylbutane	PASS	500
3-Methylpentane	PASS	500
2-Methylpentane	PASS	500
Cyclohexane	PASS	500
Neopentane	PASS	500
n-Heptane	PASS	500
n-Pentane	PASS	500
Benzene	PASS	500

Microbiology				
Quantitative Analysis	Status	Sample	LOQ	Limit
Mold/Mildew/Yeast	PASS	<LOQ	90	10,000
Enterobacteriaceae	PASS	<LOQ	90	1,000
Aerobic Bacteria	PASS	900	900	100,000
Coliforms	PASS	<LOQ	90	1,000
Qualitative Analysis		Detected or Not-detected		
E. Coli	PASS	Not-detected		
Salmonella	PASS	Not-detected		
Pseudomonas	PASS	Not-detected		

Heavy Metals				
Compound	Status	Sample	LOQ	Limit
Arsenic	PASS	<LOQ	33	1500
Cadmium	PASS	<LOQ	33	500
Mercury	PASS	<LOQ	33	1000
Lead	PASS	127	33	500

Water Activity; 0.6304 PASS Limit: 0.8500

- The hemp extract is the product of a batch tested by the independent testing laboratory;
- The batch contained a total delta-9-tetrahydrocannabinol concentration that did not exceed 0.3 percent pursuant to the testing of a random sample of the batch; and
- The batch does not contain contaminants unsafe for human consumption.*



Stacy Gardalen

Stacy Gardalen
Director

Glen Marquez

Glen Marquez
Quality Control



4439 Polaris Ave.
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The reported result is based on a sample weight with the applicable moisture content for that sample. LOQ = Limit of Quantitation. NA = Not Analyzed. ND = Not Detected. PGR = Plant Growth Regulator. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. This product has been tested by DB Labs, LLC (MME# 61887736101164525768) using valid testing methodologies and a quality system as required by Nevada state law. Values reported relate only to the product tested. DB Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein.* Tested analytes and limits were set by the customer. This Certificate shall not be reproduced except in full, without the written approval of DB Labs.

ANALYZED BY:

 Anresco Laboratories
 1375 Van Dyke Avenue,
 San Francisco, CA 94124
 C8-0000052-LIC

DISTRIBUTOR:

 CV Sciences
 10070 Barnes Canyon Road suite 100
 SAN DIEGO 92121
 n/a

MANUFACTURER:

 CV Sciences, Inc.
 Attn: Vandana Kothari
 10070 Barnes Canyon Road, Suite 100
 San Diego, CA 92121

SAMPLE INFORMATION

Sample No.: 1082535
Product Name: FP-21-0113 PlusCBD Sleep Gummies - 10mg Raspberry 30ct
 EXP: 05/23
Matrix: Edible (Gummy)
Batch #: A102330421

Date Collected: 05/11/2021
Date Received: 05/11/2021
Date Reported: 05/13/2021

TEST SUMMARY
Pesticides Residue Screen: ✔ Pass
Residual Solvent Screen: ✔ Pass
PESTICIDES RESIDUE SCREEN ✔ Pass

05/13/2021

Method: MF 21P030

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.02/0.06	ND	5.0	Pass
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.02/0.06	ND	5.0	Pass
Aldicarb	0.02/0.06	ND	0.02	Pass
Azoxystrobin	0.02/0.06	ND	40.0	Pass
Bifenazate	0.02/0.06	ND	5.0	Pass
Bifenthrin	0.04/0.10	ND	0.5	Pass
Boscalid	0.02/0.06	ND	10.0	Pass
Captan	0.20/0.60	ND	5.0	Pass
Carbaryl	0.02/0.06	ND	0.5	Pass
Carbofuran	0.02/0.06	ND	0.02	Pass
Chlorantraniliprole	0.02/0.06	ND	40.0	Pass
Chlordane	0.02/0.06	ND	0.02	Pass
Chlorfenapyr	0.02/0.08	ND	0.02	Pass
Chlorpyrifos	0.02/0.06	ND	0.02	Pass
Clofentezine	0.02/0.06	ND	0.5	Pass
Coumaphos	0.02/0.06	ND	0.02	Pass
Cyfluthrin	0.10/0.30	ND	1.0	Pass
Cypermethrin	0.10/0.30	ND	1.0	Pass
Daminozide	0.02/0.06	ND	0.02	Pass
DDVP (Dichlorvos)	0.02/0.06	ND	0.02	Pass
Diazinon	0.02/0.06	ND	0.2	Pass
Dimethoate	0.02/0.06	ND	0.02	Pass
Dimethomorph	0.02/0.06	ND	20.0	Pass
Ethoprop(hos)	0.02/0.06	ND	0.02	Pass
Etofenprox	0.02/0.06	ND	0.02	Pass
Etoxazole	0.02/0.06	ND	1.5	Pass
Fenhexamid	0.02/0.06	ND	10.0	Pass
Fenoxycarb	0.02/0.06	ND	0.02	Pass
Fenpyroximate	0.02/0.06	ND	2.0	Pass
Fipronil	0.02/0.06	ND	0.02	Pass
Flonicamid	0.02/0.06	ND	2.0	Pass
Fludioxanil	0.02/0.06	ND	30.0	Pass
Hexythiazox	0.02/0.06	ND	2.0	Pass
Imazalil	0.02/0.06	ND	0.02	Pass
Imidacloprid	0.02/0.06	ND	3.0	Pass
Kresoxim Methyl	0.02/0.06	ND	1.0	Pass
Malathion	0.02/0.06	ND	5.0	Pass
Metaxyl	0.02/0.06	ND	15.0	Pass
Methiocarb	0.02/0.06	ND	0.02	Pass
Methomyl	0.02/0.06	ND	0.1	Pass
Methyl parathion	0.02/0.06	ND	0.02	Pass
Mevinphos	0.02/0.06	ND	0.02	Pass

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Myclobutanil	0.02/0.06	ND	9.0	Pass
Naled	0.02/0.06	ND	0.5	Pass
Oxamyl	0.02/0.06	ND	0.2	Pass
Paclbutrazol	0.02/0.06	ND	0.02	Pass
Pentachloronitrobenzene	0.04/0.10	ND	0.2	Pass
Permethrins	0.10/0.30	ND	20.0	Pass
Phosmet	0.02/0.06	ND	0.2	Pass
Piperonyl Butoxide	0.02/0.06	ND	8.0	Pass
Prailethrin	0.04/0.10	ND	0.4	Pass
Propiconazole	0.02/0.06	ND	20.0	Pass
Propoxur	0.02/0.06	ND	0.02	Pass
Pyrethrins	0.10/0.30	ND	1.0	Pass
Pyridaben	0.02/0.06	ND	3.0	Pass
Spinetoram	0.02/0.06	ND	3.0	Pass
Spinosad	0.02/0.06	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.02/0.06	ND	13.0	Pass
Spiroxamine	0.02/0.06	ND	0.02	Pass
Tebuconazole	0.02/0.06	ND	2.0	Pass
Thiacloprid	0.02/0.06	ND	0.02	Pass
Thiamethoxam	0.02/0.06	ND	4.5	Pass
Trifloxystrobin	0.02/0.06	ND	30.0	Pass

RESIDUAL SOLVENT SCREEN  **Pass**

05/13/2021

Method: USP OVI<467>

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.10/1.00	ND	1	Pass
Acetone	50/150	ND	5000	Pass
Acetonitrile	4/12	ND	410	Pass
Benzene	0.10/1.00	ND	1	Pass
n-Butane	48/160	ND	5000	Pass
Chloroform	0.10/1.00	ND	1	Pass
Ethanol	67/200	ND	5000	Pass
Ethyl acetate	27/80	ND	5000	Pass
Ethyl ether	17/50	ND	5000	Pass
Ethylene oxide	0.50/1.00	ND	1	Pass
n-Heptane	1/4	ND	5000	Pass
n-Hexane	2/10	ND	290	Pass
Isopropyl alcohol	33/100	ND	5000	Pass
Methanol	50/150	ND	3000	Pass
Methylene chloride	0.50/1.00	ND	1	Pass
n-Pentane	2/6	ND	5000	Pass
Propane	10/33	ND	5000	Pass
Toluene	10/30	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	30/90	ND	2170	Pass
Trichloroethylene	0.10/1.00	ND	1	Pass

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

Reported by




Vu Lam
Lab Co Director



Scan to verify