

# CV Sciences Certificate of Analysis



*This document is to certify that units of the lot number below were tested and found to comply with CV Sciences finished product specifications.*

**PRODUCT NAME:** PlusCBD penetrating cream 2oz

**SAMPLE ID:** FP-23-0093

Active Ingredients: Menthol/Camphor

Lot Number: 35J23

Expiration Date: 07/25

ACTIVE INGREDIENTS**	PERCENTAGE %	METHOD
Menthol	9.85%	GC-FID
Camphor	10.7%	GC-FID

OTHER INGREDIENTS* (CANNABINOIDS)	MG/UNIT	METHOD
CBD	1069.80	HPLC-UV
CBDA	<LOD	HPLC-UV
d9-THC	<LOD	HPLC-UV
THCA-A	<LOD	HPLC-UV
d8-THC	<LOD	HPLC-UV
THCV	<LOD	HPLC-UV
CBDV	<LOD	HPLC-UV
CBDVA	<LOD	HPLC-UV
CBGA	<LOD	HPLC-UV
CBG	<LOD	HPLC-UV
CBN	<LOD	HPLC-UV
CBC	<LOD	HPLC-UV
CBL	<LOD	HPLC-UV

Total Cannabinoids 1069.8 mg/unit

Unit Weight 56.7g

THC by Mass <LOD

<LOQ = Below Limit of Quantitation; LOQ = lod = 0.0043%

HEAVY METALS*	STATUS (PASS/FAIL)	METHOD
Arsenic	PASS	ICP-MS
Cadmium	PASS	ICP-MS
Mercury	PASS	ICP-MS
Lead	PASS	ICP-MS

# CV Sciences Certificate of Analysis



MICROBIOLOGY*	STATUS (PASS/FAIL)	METHOD
Mold/Mildew/Yeast	PASS	Petrifilm or Agar Plates
Aerobic Bacteria	PASS	Petrifilm
Coliforms	PASS	Petrifilm
E. Coli	PASS	Blood Agar and PCR
Salmonella	PASS	Salmonella Petrifilm and PCR
Pseudomonas	PASS	Centrimide Selective Agar

PESTICIDES**	STATUS (PASS/FAIL)	METHOD
Total Pesticides	PASS	HPLC-MS
Mycotoxins	Pass	

RESIDUAL SOLVENTS**	STATUS (PASS/FAIL)	METHOD
Total Residual Solvents	PASS	HS-GC

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

†Tested analytes and limits were set by CV Sciences, Inc.

DB Labs Sample ID #: 2307DBL0060.1452.R1

\*Actual analytical results obtained by DB Labs (Las Vegas, NV), CV Sciences' third-party testing laboratory.

Anresco Laboratories Sample ID #: 1167859

\*\*Actual analytical results obtained by Anresco Laboratories (San Francisco, CA), CV Sciences' third-party testing laboratory.

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

## QUALITY APPROVAL

Prepared By / Date	Approved By / Date	Status
vandana kothari	 DocuSigned by Vandana Kothari Vandana Kothari   I approve this document 02-Aug-2023   13:09 PDT 87A410FFF03248738900BEED0868E359	PASS

July 27, 2023

**CV SCIENCES, INC.**

9530 Padgett Street, Suite 107  
 San Diego, CA 92126

Order No. 546806  
 Sample No. 1167859

## SAMPLE INFORMATION

**Description** FP-23-0093 PlusCBD penetrating cream 2oz SKU 611 exp 07/25 sku611  
**Lot Number** 35J23  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** July 26, 2023

## ANALYTICAL RESULTS

**Analysis** Pesticide Screen ✔ Pass  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)  
**Method** MF-CHEM-13  
**Analysis Date** July 26, 2023 to July 27, 2023

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	0.2/0.6	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

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Fipronil	0.02/0.06	ND	0.02	Pass
Flonicamid	0.02/0.06	ND	2.0	Pass
Fludioxonil	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
Metalaxyl	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
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
Pacllobutrazol	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
Prallethrin	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	0.15/0.50	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

Reported by  
**Anresco, Inc.**

ND = None Detected



Alda Tan  
 Analyst II

July 27, 2023

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July 27, 2023

**CV SCIENCES, INC.**

9530 Padgett Street, Suite 107  
 San Diego, CA 92126

Order No. 546806  
 Sample No. 1167859

## SAMPLE INFORMATION

**Description** FP-23-0093 PlusCBD penetrating cream 2oz SKU 611 exp 07/25 sku611  
**Lot Number** 35J23  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** July 26, 2023

## ANALYTICAL RESULTS

**Analysis** Residual Solvent Screen ✔ Pass  
**Instrument** Gas Chromatography Mass Spectrometry (GC/MS)  
**Method** MF-CHEM-32  
**Analysis Date** July 26, 2023 to July 27, 2023

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.2/0.5	ND	1	Pass
Acetone	67/200	ND	5000	Pass
Acetonitrile	67/200	ND	410	Pass
Benzene	0.2/0.5	ND	1	Pass
n-Butane	67/200	ND	5000	Pass
Chloroform	0.2/0.5	ND	1	Pass
Ethanol	67/200	ND	Not Applicable	Pass
Ethyl acetate	67/200	ND	5000	Pass
Ethyl ether	67/200	ND	5000	Pass
Ethylene oxide	0.2/0.5	ND	1	Pass
n-Heptane	67/200	ND	5000	Pass
n-Hexane	67/200	ND	290	Pass
Isopropyl alcohol	67/200	ND	Not Applicable	Pass
Methanol	67/200	ND	3000	Pass
Methylene chloride	0.2/0.5	ND	1	Pass
n-Pentane	67/200	ND	5000	Pass
Propane	67/200	ND	5000	Pass
Toluene	67/200	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	67/200	ND	2170	Pass
Trichloroethylene	0.2/0.5	ND	1	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected




Jordean Vargas  
 Analyst III

July 27, 2023

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".

July 27, 2023

**CV SCIENCES, INC.**

9530 Padgett Street, Suite 107  
 San Diego, CA 92126

Order No. 546806  
 Sample No. 1167859

## SAMPLE INFORMATION

**Description** FP-23-0093 PlusCBD penetrating cream 2oz SKU 611 exp 07/25 sku611  
**Lot Number** 35J23  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** July 26, 2023

## ANALYTICAL RESULTS

**Analysis** Mycotoxins Screen ✔ Pass  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)  
**Method** MF-CHEM-13  
**Analysis Date** July 26, 2023 to July 27, 2023

Analyte	LOD/LOQ (ppb)	Findings (ppb)	Limit (ppb)	Status
Aflatoxin B1	2/5	ND	-	-
Aflatoxin B2	2/5	ND	-	-
Aflatoxin G1	2/5	ND	-	-
Aflatoxin G2	2/5	ND	-	-
Total Aflatoxins	8/20	ND	20	Pass
Ochratoxin A	6/18	ND	20	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected



Alda Tan  
 Analyst II

July 27, 2023

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July 27, 2023

**CV SCIENCES, INC.**

9530 Padgett Street, Suite 107  
 San Diego, CA 92126

Order No. 546806  
 Sample No. 1167859

## SAMPLE INFORMATION

**Description** FP-23-0093 PlusCBD penetrating cream 2oz SKU 611 exp 07/25 sku611  
**Lot Number** 35J23  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** July 26, 2023

## ANALYTICAL RESULTS

**Analysis** Menthol and Camphor  
**Instrument** GC-FID  
**Method** USP 40 NF35  
**Analysis Date** July 26, 2023 to July 27, 2023

Analyte	LOD / LOQ (%)	Findings (%)
Menthol	0.05/0.30	9.85
Camphor	0.05/0.30	10.7

Reported by  
**Anresco, Inc.**

ND = None Detected




Hingman Mang  
 Senior Chemist  
 July 27, 2023

If there are any questions with this report, please contact "[compliance@anresco.com](mailto:compliance@anresco.com)".



# Certificate of Analysis

**CV Sciences, Inc.**

10070 Barnes Canyon Road  
San Diego, CA 92121  
Vandana Kothari

Sample

**2307DBL0060.1452**

Batch FP-23-0093  
Lot 35J23

Ordered 7/26/2023

Completed 7/31/2023

**PlusCBD penetrating cream 2oz SKU 611 exp 07/25 sku611**

Cannabinoids				
	<b>1069.80</b>	<b>1.887</b>	<b>56.70</b>	
Total CBD (mg/unit)	% Total CBD		Unit weight (g)	
Cannabinoid	LOD %	Mass %	Mass mg/g	Concentration
CBD	0.0043	1.89	18.9	
CBDa	0.0043	<LOD	<LOD	
d9-THC	0.0043	<LOD	<LOD	
THCA-A	0.0043	<LOD	<LOD	
d8-THC	0.0043	<LOD	<LOD	
THCV	0.0043	<LOD	<LOD	
CBDV	0.0043	<LOD	<LOD	
CBDVA	0.0043	<LOD	<LOD	
CBGA	0.0043	<LOD	<LOD	
CBG	0.0043	<LOD	<LOD	
CBN	0.0043	<LOD	<LOD	
CBC	0.0043	<LOD	<LOD	
CBL	0.0043	<LOD	<LOD	

Microbiology				
Quantitative Analysis	Status	Sample	LOQ	Limit
	Pass/Fail	CFU/g	CFU/g	CFU/g
Mold/Mildew/Yeast	PASS	<LOQ	10	10,000
Enterobacteriaceae	PASS	<LOQ	10	1,000
Coliforms	PASS	<LOQ	10	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
	Pass/Fail	PPB	PPB	PPB
Arsenic	PASS	<LOQ	93	1500
Cadmium	PASS	<LOQ	93	500
Mercury	PASS	<LOQ	93	1000
Lead	PASS	<LOQ	93	500

1. The hemp extract is the product of a batch tested by the independent testing laboratory;  
2. 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  
3. The batch does not contain contaminants unsafe for human consumption.\*



*[Signature]*

Glen Marquez  
Director

*[Signature]*

Sherri Defreese  
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 (MMEM# 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.