

# 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.*

SAMPLE ID:	PRODUCT NAME:
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Strength:

Lot Number:

Expiration Date:

CANNABINOIDS*	MG/UNIT	METHOD
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CBD

CBDA

d9-THC

THCA-A

d8-THC

THCV

CBDV

CBDVA

CBGA

CBG

CBN

CBC

CBL

Total Cannabinoids

Sample Size

THC by Mass

HEAVY METALS*	STATUS (PASS/FAIL)	METHOD
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Arsenic

Cadmium

Mercury

Lead

# CV Sciences Certificate of Analysis



MICROBIOLOGY*	STATUS (PASS/FAIL)	METHOD
Mold/Mildew/Yeast		
Aerobic Bacteria		
Coliforms		
E. Coli		
Salmonella		
Pseudomonas		

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

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

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; and
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 #:

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

Anresco Laboratories Sample ID #:

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

## QUALITY APPROVAL

Prepared By / Date	Approved By / Date	Status
Vandana Kothari	 <small>Signed by Vandana Kothari</small> <small>I approve this document</small> <small>08-Nov-2024 1:06:33 PST</small> <small>87A410FF03248738900BEED0868E309</small>	





# Certificate of Analysis

November 04, 2024

**CV SCIENCES, INC.**  
 9530 Padgett Street, Suite 107  
 San Diego, CA 92126

Order No. 562863  
 Sample No. 1254021

## SAMPLE INFORMATION

**Description** FP-24-0106 THCFree 2000mg Roll on SKU 410 exp 10/26  
**Lot Number** 43M24  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** October 31, 2024

## ANALYTICAL RESULTS

**Analysis** Cannabinoid Profile (Non-Plant) ✔ Pass  
**Instrument** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Method** MF-CHEM-15  
**Analysis Date** October 31, 2024 to November 04, 2024

Cannabinoid	mg/g	%	mg/package	Labeled mg/package	% Difference (mg/package)	Status
Δ8-THC	ND	ND	ND	-	-	-
Δ9-THC	<LOQ	<LOQ	<LOQ	-	-	Pass
Δ9-THCA	ND	ND	ND	-	-	-
THCV	ND	ND	ND	-	-	-
THCVA	ND	ND	ND	-	-	-
CBD	66.26	6.626	2120.17	2000	6.01	-
CBDA	ND	ND	ND	-	-	-
CBC	<LOQ	<LOQ	<LOQ	-	-	-
CBCA	ND	ND	ND	-	-	-
CBDV	0.28	0.028	8.86	-	-	-
CBG	ND	ND	ND	-	-	-
CBGA	ND	ND	ND	-	-	-
CBN	ND	ND	ND	-	-	-
Total THC	<LOQ	<LOQ	<LOQ	-	-	-
Total CBD	66.26	6.626	2120.17	-	-	-
Total Cannabinoids	66.53	6.653	2129.03	-	-	-
Sum of Cannabinoids	66.53	6.653	2129.03	-	-	-
<b>Package Weight (g)</b>	32					

### Comments

The reported result for delta-9 THC represents the quantitation of a peak that elutes in the retention time window of the delta-9 THC certified reference standard. However, it is inconclusive due to the interference of an unknown compound. LC-MS/MS analysis is recommended for a more conclusive identification and quantitation.

Reported by  
**Anresco, Inc.**

  
 Donald Lao  
 Analyst II



November 04, 2024

ND = None Detected  
 LOD = Limit of Detection ( 0.0133 mg/g)  
 LOQ = Limit of Quantitation ( 0.0400 mg/g)  
 Total THC = Δ8-THC + Δ9-THC + (0.877 \* THCA)  
 Total CBD = CBD + (0.877 \* CBDA)  
 Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 \* Σ (acidic cannabinoids)]

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

November 04, 2024

**CV SCIENCES, INC.**9530 Padgett Street, Suite 107  
San Diego, CA 92126Order No. 562863  
Sample No. 1254021**SAMPLE INFORMATION**

**Description** FP-24-0106 THCFree 2000mg Roll on SKU 410 exp 10/26  
**Lot Number** 43M24  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** October 31, 2024

**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** October 31, 2024 to November 04, 2024

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	0.017/0.05	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	0.017/0.05	ND	0.017	Pass
Chlorantraniliprole	0.02/0.06	ND	40.0	Pass
Chlordane	0.02/0.06	ND	0.02	Pass
Chlorfenapyr	0.02/0.06	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	0.017/0.05	ND	0.017	Pass
DDVP (Dichlorvos)	0.013/0.04	ND	0.013	Pass
Diazinon	0.017/0.05	ND	0.2	Pass
Dimethoate	0.017/0.05	ND	0.017	Pass
Dimethomorph	0.017/0.05	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	0.017/0.05	ND	10.0	Pass
Fenoxycarb	0.02/0.06	ND	0.02	Pass
Fenpyroximate	0.02/0.06	ND	2.0	Pass

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# Certificate of Analysis

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Fipronil	0.02/0.06	ND	0.02	Pass
Fonicamid	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	0.017/0.05	ND	5.0	Pass
Metalaxyl	0.017/0.05	ND	15.0	Pass
Methiocarb	0.02/0.06	ND	0.02	Pass
Methomyl	0.013/0.04	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	0.017/0.05	ND	0.5	Pass
Oxamyl	0.013/0.04	ND	0.2	Pass
Pacllobutrazol	0.02/0.06	ND	0.02	Pass
Pentachloronitrobenzene	0.017/0.05	ND	0.2	Pass
Permethrins	0.10/0.30	ND	20.0	Pass
Phosmet	0.02/0.06	ND	0.2	Pass
Piperonyl Butoxide	0.017/0.05	ND	8.0	Pass
Prallethrin	0.04/0.10	ND	0.4	Pass
Propiconazole	0.02/0.06	ND	20.0	Pass
Propoxur	0.013/0.04	ND	0.013	Pass
Pyrethrins	0.15/0.50	ND	1.0	Pass
Pyridaben	0.017/0.05	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	0.017/0.05	ND	0.017	Pass
Tebuconazole	0.02/0.06	ND	2.0	Pass
Thiacloprid	0.013/0.04	ND	0.013	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  
LOD = Limit of Detection  
LOQ = Limit of Quantitation

  
Alda Tan  
Analyst III



November 04, 2024

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November 04, 2024

**CV SCIENCES, INC.**  
9530 Padgett Street, Suite 107  
San Diego, CA 92126

Order No. 562863  
Sample No. 1254021

## SAMPLE INFORMATION

**Description** FP-24-0106 THCFree 2000mg Roll on SKU 410 exp 10/26  
**Lot Number** 43M24  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** October 31, 2024

## ANALYTICAL RESULTS

**Analysis** Residual Solvent Screen ✔ Pass  
**Instrument** Gas Chromatography Mass Spectrometry (GC/MS)  
**Method** MF-CHEM-32  
**Analysis Date** October 31, 2024 to November 04, 2024

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.5/0.5	ND	1	Pass
Acetone	57/200	ND	5000	Pass
Acetonitrile	56/200	ND	410	Pass
Benzene	0.5/0.5	ND	1	Pass
n-Butane	45/200	ND	5000	Pass
Chloroform	0.5/0.5	ND	1	Pass
Ethanol	37/200	ND	Not Applicable	Pass
Ethyl acetate	38/200	ND	5000	Pass
Ethyl ether	37/200	ND	5000	Pass
Ethylene oxide	0.1/0.5	ND	1	Pass
n-Heptane	135/200	ND	5000	Pass
n-Hexane	49/200	ND	290	Pass
Isopropyl alcohol	57/200	54000.00	Not Applicable	Pass
Methanol	37/200	ND	3000	Pass
Methylene chloride	0.1/0.5	ND	1	Pass
n-Pentane	37/200	ND	5000	Pass
Propane	72/200	ND	5000	Pass
Toluene	49/200	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	58/200	ND	2170	Pass
Trichloroethylene	0.5/0.5	ND	1	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected  
LOD = Limit of Detection  
LOQ = Limit of Quantitation




Jordean Vargas  
Analyst III

November 04, 2024

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November 04, 2024

**CV SCIENCES, INC.**  
9530 Padgett Street, Suite 107  
San Diego, CA 92126

Order No. 562863  
Sample No. 1254021

## SAMPLE INFORMATION

**Description** FP-24-0106 THCFree 2000mg Roll on SKU 410 exp 10/26  
**Lot Number** 43M24  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** October 31, 2024

## 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** October 31, 2024 to November 04, 2024

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  
LOD = Limit of Detection  
LOQ = Limit of Quantitation

  
Alda Tan  
Analyst III



November 04, 2024

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



# Certificate of Analysis

November 05, 2024

**CV SCIENCES, INC.**  
 9530 Padgett Street, Suite 107  
 San Diego, CA 92126

Order No. 562863  
 Sample No. 1254021

## SAMPLE INFORMATION

**Description** FP-24-0106 THCFree 2000mg Roll on SKU 410 exp 10/26  
**Lot Number** 43M24  
**Received** October 31, 2024

## ANALYTICAL RESULTS

**Analysis Date** October 31, 2024 to November 05, 2024

Findings	Analysis	Results	Method
	Standard Plate Count	<10 cfu/g	FDA BAM
	Yeast	<10 cfu/g	FDA BAM
	Mold	<10 cfu/g	FDA BAM
	Coliforms	<10 cfu/g	FDA BAM - ECC AGAR
	Escherichia coli	<10 cfu/g	FDA BAM - ECC AGAR
	Pseudomonas	Negative /10g	USP <62>
	Salmonella	Negative /10g	MF-MICRO-11 (AOAC 2016.01)

Reported by  
**Anresco, Inc.**



Allen Zhu  
 Analyst

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



November 04, 2024

**CV SCIENCES, INC.**  
9530 Padgett Street, Suite 107  
San Diego, CA 92126

Order No. 562863  
Sample No. 1254021

## SAMPLE INFORMATION

**Description** FP-24-0106 THCFree 2000mg Roll on SKU 410 exp 10/26  
**Lot Number** 43M24  
**Category (Type)** Non-Inhalable Topical (Other)  
**Received** October 31, 2024

## ANALYTICAL RESULTS

**Analysis** Heavy Metals ✔ Pass  
**Instrument** Inductively Coupled Plasma Mass Spectrometry (ICP-MS)  
**Method** MF-CHEM-16  
**Analysis Date** October 31, 2024 to November 04, 2024

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3	Pass
Lead	0.02/0.125	ND	0.5	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected  
LOD = Limit of Detection  
LOQ = Limit of Quantitation



Eric Tam  
Senior Chemist

November 04, 2024

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

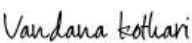
**Certificate Of Completion**

Envelope Id: F663FB967AF94B7BB27F0B87CEB3D316	Status: Completed
Subject: FP-24-0106 THCFree 2000mg Roll on SKU 410 exp 10/26 43M24	
Source Envelope:	
Document Pages: 9	Signatures: 1
Certificate Pages: 1	Initials: 0
AutoNav: Enabled	Envelope Originator:
Enveloped Stamping: Enabled	Vandana Kothari
Time Zone: (UTC-08:00) Pacific Time (US & Canada)	vandana.kothari@cvsciences.com
	IP Address: 64.207.219.135

**Record Tracking**

Status: Original	Holder: Vandana Kothari	Location: DocuSign
11/6/2024 9:15:39 AM	vandana.kothari@cvsciences.com	

**Signer Events**

Signer Events	Signature	Timestamp
Vandana Kothari vandana.kothari@cvsciences.com DIRECTOR OF QUALITY CV Sciences - Part 11 Security Level: Email, Account Authentication (Required)	  Signature Adoption: Pre-selected Style Signature ID: 87A410FF-F032-4873-8900-BEED0868E359 Using IP Address: 75.85.176.253  With Signing Authentication via DocuSign password With Signing Reasons (on each tab): I approve this document	Sent: 11/6/2024 9:16:18 AM Viewed: 11/6/2024 9:32:35 AM Signed: 11/6/2024 9:33:36 AM

**Electronic Record and Signature Disclosure:**  
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**In Person Signer Events**

Signature	Timestamp
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**Editor Delivery Events**

Status	Timestamp
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**Agent Delivery Events**

Status	Timestamp
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**Intermediary Delivery Events**

Status	Timestamp
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**Certified Delivery Events**

Status	Timestamp
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**Carbon Copy Events**

Status	Timestamp
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**Witness Events**

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**Notary Events**

Signature	Timestamp
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**Envelope Summary Events**

Status	Timestamps
Envelope Sent	Hashed/Encrypted 11/6/2024 9:16:18 AM
Certified Delivered	Security Checked 11/6/2024 9:32:35 AM
Signing Complete	Security Checked 11/6/2024 9:33:36 AM
Completed	Security Checked 11/6/2024 9:33:36 AM

**Payment Events**

Status	Timestamps
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