Certificate of Analysis



Gummy THCV & CBD Pack Batch ID 4414

This pouch contains a variety of different types of gummies with the following Batch ID's. Please see the following pages for the individual gummy lab reports or look them up individually.

Enclosed:

THCV – Batch 4417 CBD – Batch 4420



THCV Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8094 Strain: THCV Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#: 4417 Client

Rare Cannabinoid Company

Received: 11/09/2021 Completed: 11/16/2021 Sample Size: 1 units; Batch:

Collected:



Summary			
Test	Date Tested	Instr. Method	Result
Batch			Pass
Cannabinoids	11/09/2021	LC-DAD	Complete
Water Activity	11/12/2021	Water Activity Meter	0.7136 aw - Pass
Residual Solvents	11/12/2021	HS-GC-MS	Pass
Microbials	11/15/2021	qPCR	Pass
Mycotoxins	11/12/2021	LC-MS	Pass
Pesticides	11/12/2021	LC-MS	Pass
Heavy Metals	11/15/2021	ICP-MS	Pass
Foreign Matter	11/12/2021	Visual Inspection	Pass

Cannabinoids Complete

Method: SOP EL-CANNABINOIDS

ND

Total THC

ND

Total CBD

30.948 mg/unit

Total Cannabinoids

Analyte	LOD	LOQ	Result	Result
	mg/g	mg/g_	mg/unit	mg/g
THCa	0.025	0.076	ND	ND
Δ9-ΤΗС	0.014	0.044	ND	ND
Δ8-THC	0.025	0.077	ND	ND
THCVa	0.008	0.025	ND	ND
THCV	0.017	0.053	0.914	0.27
CBDa	0.021	0.064	ND	ND
CBD	0.006	0.017	ND	ND
CBN	0.006	0.017	ND	ND
CBGa	0.021	0.065	ND	ND
CBG	0.008	0.025	ND	ND
CBCa	0.013	0.040	ND	ND
CBC	0.012	0.037	ND	ND
D8 THCV*			30.034	8.87
Total THC			ND	ND
Total CBD			ND	ND
Total			30.948	9.14

1 Unit = 3.386g;

Total THC = THCa * 0.877 + Δ 9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample. Foreign Material Method: SOP EL-FOREIGN; Moisture and Water Activity Method: SOP EL-WATER *LOD/LOQ not evaluated



Keyin Nolan

Kevin Nolan Laboratory Director 11/16/2021



Pass

THCV Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8094 Strain: THCV Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#: 211105-G1 Collected:

Received: 11/09/2021 Completed: 11/16/2021 Sample Size: 1 units; Batch: Client

Rare Cannabinoid Company

Lic.#

PO Box 61242 Honolulu, HI 96839

Pesticides
Method: SOP EL-PesticidesLCMS

LC-MS

Analyte	LOD	LOQ	Limit	Result	Status	Analyte	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	μg/g			µg/g	µg/g	µg/g	μg/g	
Abamectin	0.005	0.02	0.3	ND	Pass	Fludioxonil	0.01	0.05	30	ND	Pass
Acephate	0.002	0.01	5	ND	Pass	Hexythiazox	0.005	0.02	2	ND	Pass
Acequinocyl	0.01	0.02	4	ND	Pass	Imazalil	0.05	0.1	0.05	ND	Pass
Acetamiprid	0.005	0.02	5	ND	Pass	Imidacloprid	0.005	0.02	3	ND	Pass
Aldicarb	0.05	0.1	0.05	ND	Pass	Kresoxim Methyl	0.005	0.02	1	ND	Pass
Azoxystrobin	0.005	0.02	40	ND	Pass	Malathion	0.02	0.05	5	ND	Pass
Bifenazate	0.005	0.01	5	ND	Pass	Metalaxyl	0.002	0.005	15	ND	Pass
Bifenthrin	0.05	0.05	0.5	ND	Pass	Methiocarb	0.05	0.1	0.05	ND	Pass
Boscalid	0.02	0.05	10	ND	Pass	Methomyl	0.01	0.02	0.1	ND	Pass
Captan	0.3	0.3	5	ND	Pass	Mevinphos	0.02	0.05	0.02	ND	Pass
Carbaryl	0.02	0.05	0.5	ND	Pass	Myclobutanil	0.005	0.01	9	ND	Pass
Carbofuran	0.05	0.1	0.05	ND	Pass	Naled	0.01	0.02	0.5	ND	Pass
Chlorantraniliprole	0.002	0.01	40	ND	Pass	Oxamyl	0.005	0.01	0.2	ND	Pass
Chlordane	0.05	0.1	0.05	ND	Pass	Paclobutrazol	0.05	0.1	0.05	ND	Pass
Chlorfenapyr	0.05	0.1	0.05	ND	Pass	Parathion Methyl	0.02	0.05	0.02	ND	Pass
Chlorpyrifos	0.05	0.1	0.05	ND	Pass	Pentachloronitrobenzene	0.02	0.05	0.2	ND	Pass
Clofentezine	0.01	0.02	0.5	ND	Pass	Permethrin	0.02	0.05	20	ND	Pass
Coumaphos	0.02	0.05	0.02	ND	Pass	Phosmet	0.01	0.02	0.2	ND	Pass
Cyfluthrin	0.05	0.1	1	ND	Pass	Piperonyl Butoxide	0.02	0.05	8	ND	Pass
Cypermethrin	0.1	0.2	1	ND	Pass	Prallethrin	0.005	0.02	0.4	ND	Pass
Daminozide	0.02	0.05	0.02	ND	Pass	Propiconazole	0.005	0.01	20	ND	Pass
Diazinon	0.002	0.01	0.2	ND	Pass	Propoxur	0.05	0.1	0.05	ND	Pass
Dichlorvos	0.02	0.05	0.02	ND	Pass	Pyrethrins	0.02	0.05	1	ND	Pass
Dimethoate	0.02	0.05	0.02	ND	Pass	Pyridaben	0.005	0.01	3	ND	Pass
Dimethomorph	0.005	0.02	20	ND	Pass	Spinetoram	0.005	0.01	3	ND	Pass
Ethoprophos	0.05	0.1	0.05	ND	Pass	Spinosad	0.005	0.01	3	ND	Pass
Etofenprox	0.05	0.1	0.05	ND	Pass	Spiromesifen	0.01	0.02	12	ND	Pass
Etoxazole	0.005	0.02	1.5	ND	Pass	Spirotetramat	0.005	0.01	13	ND	Pass
Fenhexamid	0.005	0.02	10	ND	Pass	Spiroxamine	0.05	0.1	0.05	ND	Pass
Fenoxycarb	0.05	0.1	0.05	ND	Pass	Tebuconazole	0.005	0.01	2	ND	Pass
Fenpyroximate	0.005	0.02	2	ND	Pass	Thiacloprid	0.02	0.05	0.02	ND	Pass
Fipronil	0.05	0.1	0.05	ND	Pass	Thiamethoxam	0.005	0.01	4.5	ND	Pass
Flonicamid	0.01	0.02	2	ND	Pass	Trifloxystrobin	0.005	0.01	30	ND	Pass

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



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Kevin Nolan Laboratory Director 11/16/2021



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Pass

THCV Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8094 Strain: THCV Gummy - 30mg

Matrix: Ingestible Type: Soft Chew

Batch#: 211105-G1

Collected:

Received: 11/09/2021 Completed: 11/16/2021 Sample Size: 1 units; Batch: Client

Rare Cannabinoid Company

Lic.#

PO Box 61242 Honolulu, HI 96839

Residual Solvents

Method: SOP EL-RES_SOLVENTS

HS-GC-MS

HS-GC-MS					
Analyte	LOD	LOQ	Limit	Result	Status
	μg/g	µg/g	μg/g	μg/g	
1,2-Dichloro-Ethane	0.1	0.29	1	ND	Pass
Acetone	5.5	16.68	5000	ND	Pass
Acetonitrile	4.56	13.82	410	ND	Pass
Benzene	0.09	0.28	1	ND	Pass
Butane	3.33	10	5000	ND	Pass
Chloroform	0.1	0.29	1	ND	Pass
Ethanol	3.33	10	5000	ND	Pass
Ethyl-Acetate	3.33	10	5000	ND	Pass
Ethyl-Ether	3.33	10	5000	ND	Pass
Ethylene Oxide	0.08	0.24	1	ND	Pass
Heptane	3.33	10	5000	ND	Pass
Isopropanol	3.33	10	5000	ND	Pass
Methanol	8.85	26.8	3000	ND	Pass
Methylene-Chloride	0.1	0.31	1	ND	Pass
n-Hexane	3.33	10	290	ND	Pass
Pentane	3.33	10	5000	ND	Pass
Propane	3.33	10	5000	ND	Pass
Toluene	3.33	10	890	ND	Pass
Trichloroethene	0.1	0.29	1	ND	Pass
Xylenes	6.66	20	2170	ND	Pass

LABS

Date Tested: 11/12/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



2 Now

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Pass

THCV Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8094 Strain: THCV Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#: 211105-G1 Collected:

Received: 11/09/2021 Completed: 11/16/2021 Sample Size: 1 units; Batch: Client

Rare Cannabinoid Company

Lic.#

PO Box 61242 Honolulu, HI 96839

Mycotoxins

Method: SOP EL-PesticidesLCMS

LC-IVIS					
Analyte	LOD	LOQ	Limit	Result	Status
	µg/kg	μg/kg	μg/kg	μg/kg	
B1	2	4		ND	Tested
B2	2	4		ND	Tested
G1	2	4		ND	Tested
G2	2	4		ND	Tested
Ochratoxin A	1	2	20	ND	Pass
Total Aflatoxins			20	ND	Pass



Date Tested: 11/12/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



2 Now

Kevin Nolan Laboratory Director 11/16/2021





Received: 11/09/2021

Completed: 11/16/2021

Sample Size: 1 units; Batch:

Collected:

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R&D Testing Certificate of Analysis

Pass

THCV Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8094 Strain: THCV Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#: 211105-G1

Rare Cannabinoid Company

Lic.#

PO Box 61242 Honolulu, HI 96839

Microbials

Method: SOP EL-MICROBIALS qPCR

Analyte Result **Status** Shiga toxin-producing E. Coli Not Detected in 1g Pass Salmonella SPP Not Detected in 1g **Pass**

Date Tested: 11/15/2021

Pass Heavy Metals

Method: SOP EL-HEAVYMETALS

Analyte	LOD	LOQ	Limit	Result	Status
	μg/g	µg/g	µg/g	μg/g	
Arsenic	0.012	0.036	1.500	ND	Pass
Cadmium	0.015	0.044	0.500	ND	Pass
Lead	0.055	0.167	0.500	ND	Pass
Mercury	0.005	0.015	3.000	ND	Pass

Date Tested: 11/15/2021 LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



Kevin Nolan Laboratory Director 11/16/2021



CBD Gummy - 30mg METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8093 Strain: CBD Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#:4420 Collected:

Received: 11/09/2021 Completed: 11/16/2021 Sample Size: 1 units; Batch: Client

Rare Cannabinoid Company



Summary			
Test	Date Tested	Instr. Method	Result
Batch			Pass
Cannabinoids	11/09/2021	LC-DAD	Complete
Water Activity	11/12/2021	Water Activity Meter	0.6416 aw - Pass
Residual Solvents	11/12/2021	HS-GC-MS	Pass
Microbials	11/15/2021	qPCR	Pass
Mycotoxins	11/12/2021	LC-MS	Pass
Pesticides	11/12/2021	LC-MS	Pass
Heavy Metals	11/15/2021	ICP-MS	Pass
Foreign Matter	11/12/2021	Visual Inspection	Pass

Cannabinoids Complete

Method: SOP EL-CANNABINOIDS

ND

Total THC

34.06 mg/unit

Total CBD

34.06 mg/unit

Total Cannabinoids

Analyte	LOD	LOQ	Result	Result	
	mg/g	mg/g_	mg/unit	mg/g	
THCa	0.025	0.076	ND	ND	
Δ9-THC	0.014	0.044	ND	ND	
Δ8-ΤΗС	0.025	0.077	ND	ND	
THCVa	0.008	0.025	ND	ND	
THCV	0.017	0.053	ND	ND	
CBDa	0.021	0.064	ND	ND	
CBD	0.006	0.017	34.06	9.46	
CBN	0.006	0.017	ND	ND	
CBGa	0.021	0.065	ND	ND	
CBG	0.008	0.025	ND	ND	
CBCa	0.013	0.040	ND	ND	
CBC	0.012	0.037	ND	ND	
Total THC			ND	ND	
Total CBD			34.06	9.46	
Total			34.06	9.46	

1 Unit = 3.05; Total THC = THCa * 0.877 + Δ 9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample. Foreign Material Method: SOP EL-FOREIGN; Moisture and Water Activity Method: SOP EL-WATER



2 Now

Kevin Nolan Laboratory Director 11/16/2021



Collected:

Received: 11/09/2021

Completed: 11/16/2021

Sample Size: 1 units; Batch:

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Pass

CBD Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8093 Strain: CBD Gummy - 30mg

Strain: CBD Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#: 211105-GM5 Client

Rare Cannabinoid Company

Lic.#

PO Box 61242 Honolulu, HI 96839

Pesticides
Method: SOP EL-PesticidesLCMS

C-MS

LOD LOQ LOD Analyte Limit Result Status Analyte LOQ Limit Result **Status** µg/g µg/g µg/g µg/g µg/g µg/g µg/g µg/g Abamectin 0.005 ND **Pass** Fludioxonil 30 ND **Pass** 2 Acephate 0.01 5 ND 0.02 ND 0.002 Pass Hexythiazox 0.005 **Pass** 0.01 0.02 4 ND Pass 0.05 0.1 ND Acequinocyl Imazalil **Pass** Acetamiprid 0.005 0.02 ND **Pass Imidacloprid** 0.005 ND **Pass** Aldicarb 0.1 ND Pass Kresoxim Methyl 0.005 1 ND **Pass** Azoxystrobin 0.005 0.02 40 ND **Pass** Malathion 0.02 ND **Pass** 5 15 Bifenazate ND **Pass** 0.005 ND 0.005 Metalaxyl Pass ND Pass Bifenthrin 05 Methiocarb 0.1ND **Pass Boscalid** 0.02 10 ND **Pass** Methomyl 0.01 0.02 0.1 ND **Pass** Captan 0.3 0.3 ND Pass Mevinphos ND **Pass** Carbaryl 0.02 ND **Pass** Myclobutanil 0.005 9 ND **Pass** 0.5 Carbofuran 0.1 ND **Pass** Naled ND **Pass** 0.002 0.01 0.005 0.2 Chlorantraniliprole 40 ND Pass Oxamyl 0.01 ND **Pass** Chlordane 0.1 0.05 ND Pass **Paclobutrazol** 0.1ND **Pass** ND 0.02 Chlorfenapyr 0.1 **Pass** Parathion Methyl ND Pass Chlorpyrifos 0.1 ND **Pass** Pentachloronitrobenzene 0.02 0.2 ND **Pass** Clofentezine 0.02 0.5 ND Pass Permethrin 20 ND **Pass Phosmet** 0.2 Coumaphos 0.02 ND Pass ND Pass Piperonyl Butoxide Cyfluthrin 0.1 ND Pass ND Pass 1 Cypermethrin 0.2 ND Pass Prallethrin 0.005 0.02 0.4 ND 0.1 Pass Daminozide 0.02 ND **Pass** Propiconazole 0.005 20 ND Pass Diazinon 0.002 0.01 0.2 ND Pass Propoxur 0.05 0.1 ND Pass 0.02 0.02 ND Dichlorvos 0.02 ND Pass **Pyrethrins** Pass Pass 3 Dimethoate 0.02 ND Pyridaben 0.005 0.01ND **Pass** 0.005 0.02 20 ND Pass 0.005 ND Dimethomorph Spinetoram 0.01 Pass 3 **Ethoprophos** 0.1 ND **Pass** Spinosad 0.005 ND Pass Etofenprox 0.05 0.1 ND Pass Spiromesifen 0.01 12 ND Pass Etoxazole 0.005 0.02 1.5 ND **Pass** Spirotetramat 0.005 0.01 13 ND **Pass** ND ND Fenhexamid 0.005 10 Pass Spiroxamine 0.05 0.1Pass 0.1 ND **Pass** Tebuconazole 0.01 ND 0.005 **Pass** Fenoxycarb 0.005 ND **Pass** Thiacloprid 0.02 ND **Pass** Fenpyroximate Thiamethoxam 0.005 4.5 ND **Fipronil** 0.1 ND **Pass Pass** Flonicamid 0.02 ND Pass Trifloxystrobin 0.005 0.01 30 ND **Pass**

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



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Kevin Nolan Laboratory Director 11/16/2021



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R&D Testing Certificate of Analysis

Pass

CBD Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8093 Strain: CBD Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#: 211105-GM5 Collected:

Received: 11/09/2021 Completed: 11/16/2021 Sample Size: 1 units; Batch:

Rare Cannabinoid Company

Lic.#

PO Box 61242 Honolulu, HI 96839

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Residual	ነገ	lvents
11C3IGGGI	-	

Method: SOP EL-RES_SOLVENTS HS-GC-MS

HS-GC-MS				-	a. .
Analyte	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.1	0.29	1	ND	Pass
Acetone	5.5	16.68	5000	ND	Pass
Acetonitrile	4.56	13.82	410	ND	Pass
Benzene	0.09	0.28	1	ND	Pass
Butane	3.33	10	5000	ND	Pass
Chloroform	0.1	0.29	1	ND	Pass
Ethanol	3.33	10	5000	ND	Pass
Ethyl-Acetate	3.33	10	5000	ND	Pass
Ethyl-Ether	3.33	10	5000	ND	Pass
Ethylene Oxide	0.08	0.24	1	ND	Pass
Heptane	3.33	10	5000	ND	Pass
Isopropanol	3.33	10	5000	ND	Pass
Methanol	8.85	26.8	3000	ND	Pass
Methylene-Chloride	0.1	0.31	1	ND	Pass
n-Hexane	3.33	10	290	ND	Pass
Pentane	3.33	10	5000	ND	Pass
Propane	3.33	10	5000	ND	Pass
Toluene	3.33	10	890	ND	Pass
Trichloroethene	0.1	0.29	1	ND	Pass
Xylenes	6.66	20	2170	ND	Pass

Date Tested: 11/12/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



Kevin Nolan

Laboratory Director 11/16/2021



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R&D Testing Certificate of Analysis

Pass

CBD Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8093 Strain: CBD Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#: 211105-GM5 Collected:

Received: 11/09/2021 Completed: 11/16/2021 Sample Size: 1 units; Batch:

Rare Cannabinoid Company

Lic.#

PO Box 61242 Honolulu, HI 96839

Mycotoxins

Method: SOP EL-PesticidesLCMS

EC 1413					
Analyte	LOD	LOQ	Limit	Result	Status
	μg/kg	μg/kg	µg/kg	μg/kg	
B1	2	4		ND	Tested
B2	2	4		ND	Tested
G1	2	4		ND	Tested
G2	2	4		ND	Tested
Ochratoxin A	1	2	20	ND	Pass
Total Aflatoxins			20	ND	Pass



Date Tested: 11/12/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



Kevin Nolan Laboratory Director 11/16/2021





Received: 11/09/2021

Completed: 11/16/2021

Sample Size: 1 units; Batch:

Collected:

(626) 696-3086 https://encore-labs.com Lic# C8-0000086-LIC

R&D Testing Certificate of Analysis

Pass

CBD Gummy - 30mg

METRC Batch: ; METRC Sample:

Sample ID: 2111ENC9257_8093 Strain: CBD Gummy - 30mg

Matrix: Ingestible Type: Soft Chew Batch#: 211105-GM5

Rare Cannabinoid Company

Lic.#

PO Box 61242 Honolulu, HI 96839

Microbials

Method: SOP EL-MICROBIALS qPCR

Analyte Result **Status** Shiga toxin-producing E. Coli Not Detected in 1g Pass Salmonella SPP Not Detected in 1g Pass

Date Tested: 11/15/2021

Pass Heavy Metals

Method: SOP EL-HEAVYMETALS

Analyte	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	μg/g	
Arsenic	0.012	0.036	1.500	ND	Pass
Cadmium	0.015	0.044	0.500	ND	Pass
Lead	0.055	0.167	0.500	<loq< th=""><th>Pass</th></loq<>	Pass
Mercury	0.005	0.015	3.000	ND	Pass

Date Tested: 11/15/2021 LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



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Laboratory Director 11/16/2021

