

## Certificate of Analysis

#### **QA SAMPLE - INFORMATIONAL ONLY**

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ICAL ID: 20230313-021 Sample: CA230313-025-053 Rare Cannabinoid Company - Hawaiian Full Spectrum (1000mg) Strain: Rare Cannabinoid Company - Hawaiian Full Spectrum (1000mg) Category: Concentrates & Extracts Type: Tincture

Rare Cannabinoid Company Lic. # P.O. Box 61242 Honolulu, HI 96839 Rare Cannabinoid Company Lic. # Rare Cannabinoid Company PO Box 61242 Honolulu, HI 96839 Batch#: Batch ID 4459 Batch Size Collected: Total Batch Size: Collected: 03/17/2023; Received: 03/17/2023 Completed: 03/17/2023

Moisture **NT**  Total THC

Total CBD Total Cannabinoids

**Total Terpenes** 

NT

**NT** Water Activity

31.75 mg/unit

1,066.72 mg/unit 1,168.89 mg/unit

NT

Summary	SOP Used	Date Tested	
Batch Cannabinoids Residual Solvents Microbials Mycotoxins Heavy Metals Foreign Matter Pesticides	POT-PREP-004 RS-PREP-001 MICRO-PREP-001 PESTMYCO-LC-PREP-001 HM-PREP-001 FM-PREP-001 PESTMYCO-LC-PREP-001/ PEST-GC-PREP-001	03/13/2023 03/16/2023 03/17/2023 03/15/2023 03/15/2023 03/15/2023 03/15/2023	Pass Complete Pass Pass Pass Pass Pass Pass





Scan to see results

#### **Cannabinoid Profile**

1 Unit = bottle,  $28.14 \, \text{g}$ . 1 mL =  $0.92 \, \text{g}$ .

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
THCa	0.0368	0.0123	ND	ND	ND	ND	CBGa	0.0534	0.0178	ND	ND	ND	ND
Δ9-THC	0.0368	0.0053	0.113	1.13	1.04	31.75	CBG	0.0368	0.0061	0.090	0.90	0.82	25.19
Δ8-THC	0.0368	0.0055	ND	ND	ND	ND	CBN	0.0368	0.0074	0.014	0.14	0.13	3.91
THCV	0.0368	0.0048	ND	ND	ND	ND	Total THC			0.11	1.13	1.04	31.75
CBDa	0.0368	0.0059	ND	ND	ND	ND	Total CBD			3.79	37.91	34.88	1066.72
CBD	0.0368	0.0050	3.791	37.91	34.88	1066.72	Total			4.15	41.54	38.22	1168.89
CBDV	0.0368	0.0049	0.027	0.27	0.24	7.46							
CDC	0.0444	0.01/0	0.120	1 20	1 1 1	22 07							

Total THC=THCa\*0.877 + d9-THC + d8-THC; Total CBD = CBDa\*0.877 + CBD. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005), Moisture: Moisture Analyzer(MOISTURE-001), Water Activity: Water Activity Meter (WA-INST-002), Foreign Material: Microscope (FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

## Terpene Profile

 Analyte
 LOQ (mg/g)
 LOD (mg/g)
 % mg/g
 Analyte
 LOQ (mg/g)
 LOD (mg/g)
 % mg/g

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



Infinite Chemical Analysis Labs 8312 Miramar Mall San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-000047-LIC

Josh Swider
Lab Director, Managing Partner

03/17/2023

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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Rare Cannabinoid Company Lic. # P.O. Box 61242 Honolulu, HI 96839 Rare Cannabinoid Company Lic. # Rare Cannabinoid Company PO Box 61242 Honolulu, HI 96839 Batch#: Batch ID 4459 Batch Size Collected: Total Batch Size: Collected: 03/17/2023; Received: 03/17/2023 Completed: 03/17/2023

## **Residual Solvent Analysis**

Category 1	L	.OQ	LOD I	Limit :	Status	Category 2		LOQ	LOD	Limit	Status	Category 2		LOQ	LOD	Limit	Status
	μg/g	ug/g	μg/g	µg/g			μg/g	μg/g	μg/g	μg/g			μg/g	µg/g	μg/g	μg/g	
1,2-Dichloro-Ethane	ND (	0.31 (	0.1032	1	Pass	Acetone	ND	51.246	2.572	5000	Pass	n-Hexane	ND	0.931	0.31	290	Pass
Benzene	ND 0.	088	0.023	1	Pass	Acetonitrile	ND	0.798	0.266	410	Pass	Isopropanol	ND	5.037	1.679	5000	Pass
Chloroform	ND 0.	174	0.058	1	Pass	Butane	ND	4.849	1.114	5000	Pass	Methanol	ND	4.665	1.555	3000	Pass
Ethylene Oxide	ND 0.	757	0.252	1	Pass	Ethanol	134.6	40.542	13.513	5000	Pass	Pentane	ND	17.255	5.752	5000	Pass
Methylene-Chloride	ND 0.	729	0.148	1	Pass	Ethyl-Acetate	24.9	2.288	0.436	5000	Pass	Propane	ND	26.11	8.703	5000	Pass
Trichloroethene	ND (	0.19	0.063	1	Pass	Ethyl-Ether	ND	2.869	0.593	5000	Pass	Toluene	ND	0.864	0.136	890	Pass
						Heptane	ND	6.548	2.183	5000	Pass	Xylenes	ND	0.857	0.241	2170	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

## **Heavy Metal Screening**

		LOQ	LOD	Limit	<u>Status</u>
	μg/g	µg/g	μg/g	μg/g	
Arsenic	ND	0.009	0.003	1.5	Pass
Cadmium	ND	0.002	0.001	0.5	Pass
Lead	0.005	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	3	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

# Microbiological Screening

	Limit	Result	Status
	CFU/g	CFU/g	
Aspergillus flavus		NR	NT
Aspergillus fumigatus		NR	NT
Aspergillus niger		NR	NT
Aspergillus terreus		NR	NT
STEC		Not Detected	Pass
Salmonella SPP		Not Detected	Pass

 $ND = Not\ Detected.\ Analytical\ instrumentation\ used: qPCR; samples\ analyzed\ according\ to\ SOP\ MICRO-INST-001.$ 



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Spiroxamine

Thiacloprid

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Status

Tested

Tested

Tested

Tested

**Pass** 

**Pass** 

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ND

ND

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> μg/kg 2.05

> > 1.63

1.77

1.02

5.42

µg/kg

NĎ

ND

ND

ND

ND

ND

μg/kg 6.2

5.38

Limit

µg/kg

### **Chemical Residue Screening**

Category 1		LOQ	LOD	Status	Mycotoxins
	μg/g	μg/g	µg/g		
Aldicarb	ND	0.030	0.009	Pass	B1
Carbofuran	ND	0.030	0.002	Pass	B2
Chlordane	ND	0.075	0.025	Pass	G1
Chlorfenapyr	ND	0.075	0.025	Pass	G2
Chlorpyrifos	ND	0.030	0.008	Pass	Ochratoxin A
Coumaphos	ND	0.030	0.005	Pass	Total Aflatoxins
Daminozide	ND	0.033	0.011	Pass	
Dichlorvos	ND	0.030	0.007	Pass	
Dimethoate	ND	0.030	0.007	Pass	
Ethoprophos	ND	0.030	0.004	Pass	
Etofenprox	ND	0.030	0.006	Pass	
Fenoxycarb	ND	0.030	0.006	Pass	
Fipronil	ND	0.030	0.008	Pass	
lmazalil	ND	0.030	0.009	Pass	
Methiocarb	ND	0.030	0.005	Pass	
Mevinphos	ND	0.032	0.011	Pass	
Paclobutrazol	ND	0.030	0.006	Pass	
Parathion Methyl	ND	0.024	0.008	Pass	
Propoxur	ND	0.030	0.005	Pass	

0.003

0.002

					<b>.</b>						<b>.</b>
Category 2		LOQ	LOD	Limit	Status	Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g			μg/g	µg/g	µg/g	µg/g	
Abamectin	ND	0.039	0.013	0.3	Pass	Kresoxim Methyl	ND	0.030	0.007	1	Pass
Acephate	ND	0.063	0.021	5	Pass	Malathion	ND	0.030	0.005	5	Pass
Acequinocyl	ND	0.035	0.011	4	Pass	Metalaxyl	ND	0.030	0.003	15	Pass
Acetamiprid	ND	0.030	0.006	5	Pass	Methomyl	ND	0.030	0.006	0.1	Pass
Azoxystrobin	ND	0.030	0.003	40	Pass	Myclobutanil	ND	0.030	0.007	9	Pass
Bifenazate	ND	0.030	0.005	5	Pass	Naled	ND	0.030	0.005	0.5	Pass
Bifenthrin	ND	0.030	0.006	0.5	Pass	Oxamyl	ND	0.030	0.009	0.3	Pass
Boscalid	ND	0.030	0.007	10	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass
Captan	ND	0.358	0.120	5	Pass	Permethrin	ND	0.030	0.002	20	Pass
Carbaryl	ND	0.030	0.004	0.5	Pass	Phosmet	ND	0.030	0.005	0.2	Pass
Chlorantraniliprole	ND	0.030	0.006	40	Pass	Piperonyl Butoxide	ND	0.030	0.006	8	Pass
Clofentezine	ND	0.030	0.005	0.5	Pass	Prallethrin	ND	0.055	0.018	0.4	Pass
Cyfluthrin	ND	0.056	0.019	1	Pass	Propiconazole	ND	0.037	0.012	20	Pass
Cypermethrin	ND	0.044	0.015	1	Pass	Pyrethrins	ND	0.030	0.002	1	Pass
Diazinon	ND	0.030	0.009	0.2	Pass	Pyridaben	ND	0.030	0.005	3	Pass
Dimethomorph	ND	0.030	0.009	20	Pass	Spinetoram	ND	0.030	0.003	3	Pass
Etoxazole	ND	0.030	0.003	1.5	Pass	Spinosad	ND	0.030	0.003	3	Pass
Fenhexamid	ND	0.030	0.008	10	Pass	Spiromesifen	ND	0.030	0.005	12	Pass
Fenpyroximate	ND	0.030	0.005	2	Pass	Spirotetramat	ND	0.030	0.006	13	Pass
Flonicamid	ND	0.046	0.015	2	Pass	Tebuconazole	ND	0.030	0.009	2	Pass
Fludioxonil	ND	0.048	0.016	30	Pass	Thiamethoxam	ND	0.030	0.006	4.5	Pass
Hexythiazox	ND	0.031	0.010	2	Pass	Trifloxystrobin	ND	0.030	0.002	30	Pass
<u>Imidacloprid</u>	ND	0.030	0.009	3	Pass						

**Pass** 

**Pass** 

#### Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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