Certificate of Analysis

State of FL OMMU License Number: CMTL-006
ISO/IEC 17025 ACCREDITATION # 109150

NO6237- Rare Cannabinoids 500mg CBG Defense Tincture

Lab Number: F501412-01 **- Date reported:** February 06, 2025

Client: Rare Cannabinoid Company
Address: PO Box 61242, Honolulu, HI 96839
Phone: (808)763-1212
Project: Project 01/28/2025
Lab Number: F501412-01
Batch#: 4497

Compliance for Retail

Date Sampled: 01/28/2025
Date Received: 01/28/2025

SUMMARY

POTENCY

Tested

TERPENES

Not Tested

PESTICIDES

Pass

HEAVY METALS

Pass

RESIDUAL SOLVENTS

Pass

MICROBIAL TESTING

Pass

MYCOTOXINS

Pass

MOISTURE CONTENT

Not Tested

FOREIGN MATERIALS

Pass

WATER ACTIVITY

Pass

This report shall not be reproduced except in its entirety without the written approval of Accuscience Laboratories. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. This laboratory is accredited in accordance with International Standard ISO/IEC 17025.

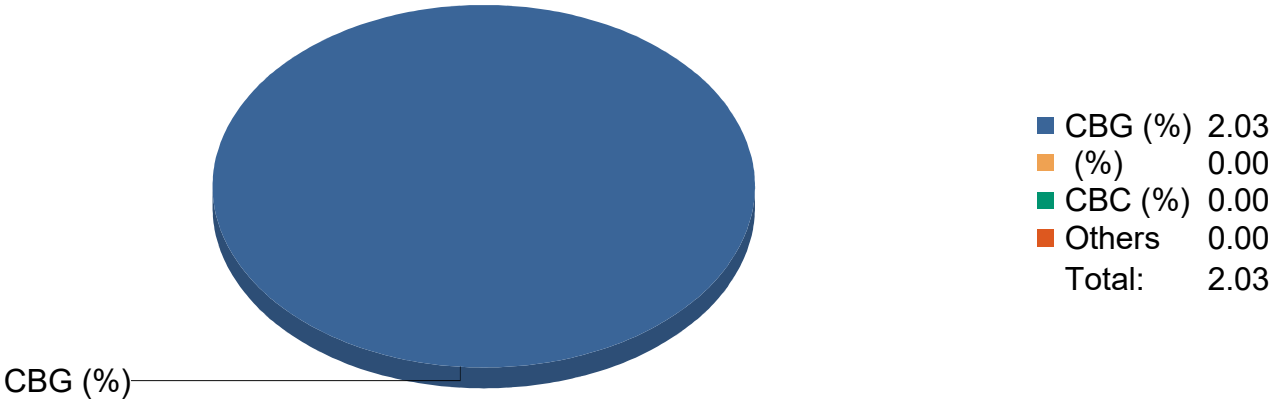
PJLA Testing
Accreditation#: 109150

Dr. Harry Behzadi, PhD.
President, CEO

NO6237- Rare Cannabinoids 500mg CBG Defense Tincture

Lab Number: F501412-01 **- Date reported:** February 06, 2025

Cannabinoids Summary Profile



2.03%
Total Cannabinoids

< LOQ
Δ9-THC

ND%
Total THC

ND%
Total CBD

This report shall not be reproduced except in its entirety without the written approval of Accuscience Laboratories. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. This laboratory is accredited in accordance with International Standard ISO/IEC 17025.

NO6237- Rare Cannabinoids 500mg CBG Defense Tincture

Lab Number: F501412-01 **- Date reported:** February 06, 2025

Potency (as Received)

Tested

Container Label Quantity [net wt. (g) or vol. (mL)]: 27.96 mL
Servings per Container: 1
Serving Size [g or mL]: 27.96 mL

Date Prepared: 01/31/2025
Date Analyzed: 01/31/2025
Lab Batch: B25A061

Prep ID: TL
Analyst ID: DH

Sample Prep: 0.2562 g / 10 mL
Prep/Analysis Method: ACCU LAB SOP15
Instrument: HPLC-DAD

Analyte	Dilution	LOQ	Results			
			%	mg/g	mg/Serving	mg/Container
Cannabichromene (CBC)	10	0.0400	ND	ND	ND	ND
Cannabichromenic acid (CBCA)	10	0.0400	ND	ND	ND	ND
Cannabidiol (CBD)	10	0.0400	ND	ND	ND	ND
Cannabidiolic acid (CBDA)	10	0.0400	ND	ND	ND	ND
Cannabidivarin (CBDV)	10	0.0400	ND	ND	ND	ND
Cannabidivarinic acid (CBDVA)	10	0.0400	ND	ND	ND	ND
Cannabigerol (CBG)	10	0.0400	**2.03**	**20.3**	**567.60**	**567.60**
Cannabigerolic acid (CBGA)	10	0.0400	ND	ND	ND	ND
Cannabinol (CBN)	10	0.0400	ND	ND	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	10	0.0400	ND	ND	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THC)	10	0.0400	ND	ND	ND	ND
Δ9-Tetrahydrocannabinolic acid (THCA)	10	0.0400	ND	ND	ND	ND
Tetrahydrocannabivarin (THCV)	10	0.0400	ND	ND	ND	ND
Tetrahydrocannabivarinic acid (THCVA)	10	0.0400	ND	ND	ND	ND

Definitions and Abbreviations:
Total CBD = CBD + (CBDA * 0.877), **Total THC** = THCA * 0.877 + delta-9 THC, **LOQ** = Limit of Quantitation, **ND** = Non-Detect, **N/A** = Not Applicable.

This report shall not be reproduced except in its entirety without the written approval of Accuscience Laboratories. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. This laboratory is accredited in accordance with International Standard ISO/IEC 17025.

NO6237- Rare Cannabinoids 500mg CBG Defense Tincture

Lab Number: F501412-01 **- Date reported:** February 06, 2025

Pesticides

Pass

Date Prepared: 01/30/2025 **Prep ID:** AJ
Date Analyzed: 01/30/2025 **Analyst ID:** AJ
Lab Batch: B25A016

Sample Prep: 1.0064 g / 10 mL
Instrument: LC-MS/MS
Analysis Method: ACCU LAB SOP18

Analyte	Dil.	Action Limit ppb	LOQ ppb	Results ppb	Status
Abamectin	10	300	5.0	ND	Pass
Acephate	10	3000	5.0	ND	Pass
Acequinocyl	10	2000	5.0	ND	Pass
Acetamiprid	10	3000	5.0	ND	Pass
Aldicarb	10	100	5.0	ND	Pass
Azoxystrobin	10	3000	5.0	ND	Pass
Bifenazate	10	3000	5.0	ND	Pass
Bifenthrin	10	500	5.0	ND	Pass
Boscalid	10	3000	5.0	ND	Pass
Carbaryl	10	500	5.0	ND	Pass
Carbofuran	10	100	5.0	ND	Pass
Chlorantraniliprole	10	3000	5.0	ND	Pass
Chlorfenapyr	10	100	5.0	ND	Pass
Chlormequat	10	3000	5.0	ND	Pass
Chlorpyrifos	10	100	5.0	ND	Pass
Clofentezine	10	500	5.0	ND	Pass
Coumaphos	10	100	5.0	ND	Pass
Cyfluthrin	10	1000	5.0	ND	Pass
Cypermethrin	10	1000	5.0	ND	Pass
Daminozide	10	100	5.0	ND	Pass
Diazinon	10	200	5.0	ND	Pass
Dichlorvos	10	100	5.0	ND	Pass
Dimethoate	10	100	5.0	ND	Pass
Dimethomorph	10	3000	5.0	ND	Pass
Ethoprophos	10	100	5.0	ND	Pass
Etofenprox	10	100	5.0	ND	Pass
Etoxazole	10	1500	5.0	ND	Pass
Fenhexamid	10	3000	5.0	ND	Pass
Fenoxycarb	10	100	5.0	ND	Pass
Fenpyroximate	10	2000	5.0	ND	Pass
Fipronil	10	100	5.0	ND	Pass
Flonicamid	10	2000	5.0	ND	Pass
Fludioxonil	10	3000	5.0	ND	Pass
Hexythiazox	10	2000	5.0	ND	Pass
Imazalil	10	100	5.0	ND	Pass

Analyte	Dil.	Action Limit ppb	LOQ ppb	Results ppb	Status
Imidacloprid	10	3000	5.0	ND	Pass
Kresoxim methyl	10	1000	5.0	ND	Pass
Malathion	10	2000	5.0	ND	Pass
Metalaxyl	10	3000	5.0	ND	Pass
Methiocarb	10	100	5.0	ND	Pass
Methomyl	10	100	5.0	ND	Pass
Mevinphos	10	100	5.0	ND	Pass
Myclobutanil	10	3000	5.0	ND	Pass
Naled	10	500	5.0	ND	Pass
Oxamyl	10	500	5.0	ND	Pass
Paclobutrazol	10	100	5.0	ND	Pass
Permethrin	10	1000	5.0	ND	Pass
Phosmet	10	200	5.0	ND	Pass
Piperonyl butoxide	10	3000	5.0	ND	Pass
Prallethrin	10	400	5.0	ND	Pass
Propiconazole	10	1000	5.0	ND	Pass
Propoxur	10	100	5.0	ND	Pass
Pyrethrins	10	1000	5.0	ND	Pass
Pyridaben	10	3000	5.0	ND	Pass
Spinetoram J	10	3000	5.0	ND	Pass
Spinetoram L	10	3000	5.0	ND	Pass
Spinosyn A	10	3000	5.0	ND	Pass
Spinosyn D	10	3000	5.0	ND	Pass
Spiromesifen	10	3000	5.0	ND	Pass
Spirotetramat	10	3000	5.0	ND	Pass
Spiroxamine	10	100	5.0	ND	Pass
Tebuconazole	10	1000	5.0	ND	Pass
Thiacloprid	10	100	5.0	ND	Pass
Thiamethoxam	10	1000	5.0	ND	Pass
Trifloxystrobin	10	3000	5.0	ND	Pass
Captan	1	3000	240	ND	Pass
Chlordane	1	100	48	ND	Pass
Methyl parathion	1	100	48	ND	Pass
Pentachloronitrobenze	1	200	48	ND	Pass

This report shall not be reproduced except in its entirety without the written approval of Accuscience Laboratories. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. This laboratory is accredited in accordance with International Standard ISO/IEC 17025.

NO6237- Rare Cannabinoids 500mg CBG Defense Tincture

Lab Number: F501412-01 **- Date reported:** February 06, 2025

Mycotoxins

Pass

Date Prepared: 01/30/2025 **Extracted By:** AJ
Date Analyzed: 01/30/2025 **Analyzed By:** AJ
Lab Batch: B25A016

Sample Prep: 1.0064 g / 10 mL
Instrument: LC-MS/MS
Analysis Method: ACCU LAB SOP18

Analyte	Dil.	Action Limit ppb	LOQ ppb	Results ppb	Status
Aflatoxin B1	10	20	1.0	ND	Pass
Aflatoxin B2	10	20	1.0	ND	Pass
Aflatoxin G1	10	20	1.0	ND	Pass
Aflatoxin G2	10	20	1.0	ND	Pass
Ochratoxin A	10	20	1.0	ND	Pass

Definitions and Abbreviations:
LOQ = Limit of Quantitation, **Dil.** = Dilution Factor, **ppb** = parts per billion, **(ND)** = Non-Detect.

Heavy Metals

Pass

Date Prepared: 02/03/2025 **Extracted By:** TL
Date Analyzed: 02/04/2025 **Analyzed By:** JG
Lab Batch: B25A066

Sample Prep: 0.5 g / 25 mL
Instrument: ICP-MS
Analysis Method: ACCU LAB SOP19

Analyte	Dil.	Action Limit ppb	LOQ ppb	Results ppb	Status
Arsenic	1	1500	100	ND	Pass
Cadmium	1	500	100	ND	Pass
Lead	1	500	100	ND	Pass
Mercury	1	3000	100	ND	Pass

Definitions and Abbreviations:
LOQ = Limit of Quantitation, **Dil.** = Dilution Factor, **(ppb)** = parts per billion, **(ND) =** Non-Detect.

Total Contaminant Load

Total Contaminant Load	Action Limit ppb	Results ppb	Status
Total Contaminant Load - Heavy Metals	30,000	ND	Pass
Total Contaminant Load - Overall Sum	30,000	ND	Pass
Total Contaminant Load - Pesticides	30,000	ND	Pass

This report shall not be reproduced except in its entirety without the written approval of Accuscience Laboratories. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. This laboratory is accredited in accordance with International Standard ISO/IEC 17025.

NO6237- Rare Cannabinoids 500mg CBG Defense Tincture

Lab Number: F501412-01 **- Date reported:** February 06, 2025

Definitions and Abbreviations:
(ppb) = Parts per Billion, **Total Contaminant Load (TCL)** - The sum of all Heavy Metals and Agricultural Agents present above the LOQ, but below the Acceptable Limit.

Microbials

Pass

Date Prepared: 01/31/2025 **Prep ID:** ES **Sample Prep:** 1 g / 1 g
Date Analyzed: 02/04/2025 **Analyst ID:** ES **Instrument:** QPCR/Plate
Lab Batch: B25A065 **Analysis Method:** ACCU LAB SOP14

Analyte	Action Limit CFU/g	LOQ CFU/g	Results CFU/g	Status
Aspergillus Flavus	1	1	ND	Pass
Aspergillus Fumigatus	1	1	ND	Pass
Aspergillus Niger	1	1	ND	Pass
Aspergillus Terreus	1	1	ND	Pass
E. coli specific gene	1	1	ND	Pass
E. coli/shigella spp.	1	1	ND	Pass
Salmonella specific gene	1	1	ND	Pass
Stx1 gene	1	1	ND	Pass
Stx2 gene	1	1	ND	Pass

Date Prepared: 01/31/2025 **Prep ID:** ES **Sample Prep:** 1 g / 1 g
Date Analyzed: 02/03/2025 **Analyst ID:** ES **Instrument:** QPCR/Plate
Lab Batch: B25A064 **Analysis Method:** ACCU LAB SOP14

Analyte	Action Limit CFU/g	LOQ CFU/g	Results CFU/g	Status
Total Yeast and Mold	100000	10000	ND	Pass

Definitions and Abbreviations:
LOQ = Limit of Quantitation, **(CFU/g)** = Colony Forming Unit per gram, **(ND) =** Non-Detect.

This report shall not be reproduced except in its entirety without the written approval of Accuscience Laboratories. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. This laboratory is accredited in accordance with International Standard ISO/IEC 17025.

NO6237- Rare Cannabinoids 500mg CBG Defense Tincture

Lab Number: F501412-01 **- Date reported:** February 06, 2025

Residual Solvents

Pass

Date Prepared: 01/30/2025 **Prep ID:** DH **Sample Prep:** 0.1182 g / 1 mL
Date Analyzed: 01/31/2025 **Analyst ID:** DH **Instrument:** Headspace GC-FID
Lab Batch: B25A063 **Analysis Method:** ACCU LAB SOP16

Analyte	Dil.	Action Limit ppm	LOQ ppm	Results ppm	Status
1,1-Dichloroethene	1	8	1.7	ND	Pass
1,2-Dichloroethane	1	2	1.7	ND	Pass
2-Propanol (IPA)	1	500	17	**58**	Pass
Acetone	1	750	17	ND	Pass
Acetonitrile	1	60	17	ND	Pass
Benzene	1	1	0.17	ND	Pass
Butane	1	5000	8.5	ND	Pass
Chloroform	1	2	1.7	ND	Pass
Ethanol	1	5000	17	ND	Pass
Ethyl acetate	1	400	1.7	ND	Pass
Ethyl ether	1	500	1.7	ND	Pass
Ethylene oxide	1	5	1.7	ND	Pass
Methanol	1	250	17	ND	Pass
Methylene chloride	1	125	1.7	ND	Pass
n-Heptane	1	5000	1.7	**6.1**	Pass
n-Hexane	1	250	0.34	ND	Pass
Pentane	1	750	0.56	ND	Pass
Propane	1	5000	17	ND	Pass
Toluene	1	150	1.7	ND	Pass
Total xylenes	1	150	4.2	ND	Pass
Trichloroethene	1	25	1.7	ND	Pass

Definitions and Abbreviations:
LOQ = Limit of Quantitation, **Dil.** = Dilution Factor, **(ppm)** = parts per million, **(ND)** = Non-Detect.

This report shall not be reproduced except in its entirety without the written approval of Accuscience Laboratories. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. This laboratory is accredited in accordance with International Standard ISO/IEC 17025.

NO6237- Rare Cannabinoids 500mg CBG Defense Tincture

Lab Number: F501412-01 **- Date reported:** February 06, 2025

Water Activity

Pass

Date Prepared: 02/03/2025
Date Analyzed: 02/03/2025
Lab Batch: B25A073
Prep ID: WM
Analyst ID: WM
Sample Prep: 0.5 g / 0.5 g
Instrument: Rotronic Water Activity Probe
Analysis Method: ACCU LAB SOP10

Analyte	Action Limit A_w	Result A_w	Status
Water Activity	0.85	0.45	Pass

Foreign Materials

Pass

Date Prepared: 01/31/2025
Date Analyzed: 02/03/2025
Lab Batch: B25A073
Prep ID: WM
Analyst ID: WM
Sample Prep: 0.5 g / 0.5 g
Instrument: Visual Inspection
Analysis Method: ACCU LAB SOP04

Analyte	Action Limit (% by wt)	Results	Status
Foreign Material	1%	Pass	Pass

This report shall not be reproduced except in its entirety without the written approval of Accuscience Laboratories. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. This laboratory is accredited in accordance with International Standard ISO/IEC 17025.