

DATE ISSUED 11/17/2020

### SAMPLE NAME: cbdMD Facial Oil 1 oz 500 mg

Infused, Non-Inhalable

### CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

### DISTRIBUTOR

Business Name: cbdMD License Number: Address:

### SAMPLE DETAIL

Batch Number: 1927-65 Sample ID: 201030R011

Date Collected: 10/30/2020 Date Received: 10/30/2020 Batch Size: Sample Size: 1.0 units Unit Mass: 30 milliliters per Unit Serving Size:



Scan QR code to verify authenticity of results.

### CANNABINOID ANALYSIS - SUMMARY

Total THC: **Not Detected** Total CBD: **510.450 mg/unit** Sum of Cannabinoids: 518.070 mg/unit Total Cannabinoids: 518.070 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step: Total THC =  $\Delta$ 9THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877)) Sum of Cannabinoids =  $\Delta$ 9THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta$ 8THC + CBL + CBN Total Cannabinoids = ( $\Delta$ 9THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBC+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBV+0.877\*CBCa) + (CBV+0.8

Moisture: NT

Density: 0.9074 g/mL Viscosity: NT

### SAFETY ANALYSIS - SUMMARY

∆9THC per Unit: ⊘PASS	Pesticides: <b>PASS</b>	Heavy Metals:  PASS
Foreign Material: NT	Mycotoxins: <b>OPASS</b>	Microbial Impurities (PCR): <b>OPASS</b>
Water Activity: NT	Residual Solvents: NT	Microbial Impurities (Plating): ND
Vitamin E Acetate: NT		
TERPENOID ANALYSIS - SUMMARY		36 TESTED, TOP 3 HIGHLIGHTED
Limonene 0.28 mg/g	Geraniol 0.18 mg/g	Linalool 0.15 mg/g
For quality assurance purposes. Not a Pre-Harvest Hemp Lab Te to the sample included on this report. This report shall not be re approval of the laboratory.	eproduced, except in full, without written	

Sample Certification: California Code of Regulations Title 16 Effect Date January 16, 2019. Authority: Section 26013, Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT) too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Lackson WH Lackson Waite-HimmelwrigApproved by: Josh Wurzer, President Date: 11/17/2020

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Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected

Total THC (∆9THC+0.877\*THCa)

### TOTAL CBD: 510.450 mg/unit

Total CBD (CBD+0.877\*CBDa)

#### TOTAL CANNABINOIDS: 518.070 mg/unit

 $\begin{array}{l} \mbox{Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + \Delta \mbox{8THC} + CBL + CBN \end{array}$ 

### TOTAL CBG: 4.140 mg/unit

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: ND

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 2.070 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

### CANNABINOID TEST RESULTS - 11/17/2020

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.8150	17.015	1.8751
CBG	0.002/0.005	±0.0086	0.138	0.0152
CBDV	0.002/0.007	±0.0036	0.069	0.0076
CBN	0.001/0.004	±0.0017	0.047	0.0052
Δ9ΤΗC	0.002/0.005	N/A	ND	ND
Δ8THC	0.01/0.02	N/A	ND	ND
THCa	0.001/0.002	N/A	ND	ND
THCV	0.002/0.008	N/A	ND	ND
THCVa	0.002/0.005	N/A	ND	ND
CBDa	0.001/0.003	N/A	ND	ND
CBDVa	0.001/0.003	N/A	ND	ND
CBGa	0.002/0.006	N/A	ND	ND
CBL	0.003 / 0.008	N/A	ND	ND
CBC	0.003/0.010	N/A	ND	ND
CBCa	0.001/0.004	N/A	ND	ND
SUM OF CANNA	BINOIDS		17.269 mg/mL	1.9031%

#### Unit Mass: 30 milliliters per Unit

Δ9THC per Unit	1100 per-package limit	ND	PASS
Total THC per Unit		ND	
CBD per Unit		510.450 mg/unit	
Total CBD per Unit		510.450 mg/unit	
Sum of Cannabinoids per Unit		518.070 mg/unit	
Total Cannabinoids per Unit		518.070 mg/unit	

### MOISTURE TEST RESULT DENSITY TE

### DENSITY TEST RESULT

VISCOSITY TEST RESULT

Not Tested

Not Tested

# 0.9074 g/mL

Tested 11/17/2020

Method: QSP 7870 - Sample Preparation



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## Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

CBDMD FACIAL OIL 1 OZ 500 MG | DATE ISSUED 11/17/2020

# Referencia Analysis

Terpene analysis utilizing gas chromatographyflame ionization detection (GC-FID). Terpenes are the aromatic compounds that endow cannabis with their unique scent and effect. Following are the primary terpenes detected.

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

#### Limonene

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A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

### Geraniol

A monoterpenoid alcohol with a fragrance that can be described as floral, sweet, waxy and mildly fruity with a hint of citrus. Honeybees produce and secrete this compound to indicate the location of flowers containing nectar and the entrances to their hives. It is considered a contaminant in wine production. Found in rose, palmarosa, lemongrass, geranium, lemon, catnip tea plant, nutmeg, basil, beebalm, black walnut, bay laurel, wild carrot, cardamom, ginger, incense grass...etc.

### Linalool

A monoterpenoid alcohol with a fragrance that can be described as spicy, waxy, citrus and floral. It is commonly used as an insecticide against cockroaches, flies, fleas and other insects. Found in bail, lavender, cinnamon, hops, mugwort, goldenrods...etc.



### TERPENOID TEST RESULTS - 11/02/2020

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Limonene	0.02/0.05	±0.010	0.28	0.028
Geraniol	0.02/0.07	±0.009	0.18	0.018
Linalool	0.03/0.08	±0.008	0.15	0.015
$\alpha$ Pinene	0.03/0.09	±0.007	0.11	0.011
$\beta$ Pinene	0.04/0.11	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Ocimene	0.03/0.09	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
γTerpinene	0.04 / 0.1	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Geranyl Acetate	0.02/0.06	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
$\beta$ Caryophyllene	0.02/0.07	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Camphene	0.04/0.11	N/A	ND	ND
Sabinene	0.04/0.11	N/A	ND	ND
Myrcene	0.04/0.11	N/A	ND	ND
$\alpha$ Phellandrene	0.05/0.1	N/A	ND	ND
3 Carene	0.04 / 0.1	N/A	ND	ND
$\alpha$ Terpinene	0.04 / 0.1	N/A	ND	ND
Eucalyptol	0.03/0.08	N/A	ND	ND
Sabinene Hydrate	0.02/0.07	N/A	ND	ND
Fenchone	0.04/0.12	N/A	ND	ND
Terpinolene	0.03/0.09	N/A	ND	ND
Fenchol	0.03/0.09	N/A	ND	ND
(-)-lsopulegol	0.02/0.05	N/A	ND	ND
Camphor	0.1/0.2	N/A	ND	ND
Isoborneol	0.04/0.1	N/A	ND	ND
Borneol	0.1/0.2	N/A	ND	ND
Menthol	0.03/0.09	N/A	ND	ND
Terpineol	0.02/0.07	N/A	ND	ND
Nerol	0.03/0.09	N/A	ND	ND
R-(+)-Pulegone	0.03/0.09	N/A	ND	ND
$\alpha$ Cedrene	0.02/0.07	N/A	ND	ND
$\alpha$ Humulene	0.02 / 0.05	N/A	ND	ND
Valencene	0.01/0.03	N/A	ND	ND
Nerolidol	0.3/0.8	N/A	ND	ND
Caryophyllene Oxide	0.04 / 0.11	N/A	ND	ND
Guaiol	0.03/0.09	N/A	ND	ND
Cedrol	0.04/0.11	N/A	ND	ND
$\alpha$ Bisabolol	0.02 / 0.07	N/A	ND	ND
TOTAL TERPENOIDS			0.72 mg/g	0.072%

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# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

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# Pesticide Analysis

### **CATEGORY 1 AND 2 PESTICIDES**

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). \*GC-MS utilized where indicated.

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

### CATEGORY 1 PESTICIDE TEST RESULTS - 11/01/2020 🔗 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Aldicarb	0.03/0.09	≥LOD	N/A	ND	PASS
Carbofuran	0.01/0.04	≥LOD	N/A	ND	PASS
Chlordane*	0.03/0.08	≥LOD	N/A	ND	PASS
Chlorfenapyr*	0.03/0.10	≥LOD	N/A	ND	PASS
Chlorpyrifos	0.02/0.06	≥LOD	N/A	ND	PASS
Coumaphos	0.02/0.06	≥LOD	N/A	ND	PASS
Daminozide	0.03/0.10	≥LOD	N/A	ND	PASS
DDVP (Dichlorvos)	0.02/0.07	≥LOD	N/A	ND	PASS
Dimethoate	0.02/0.07	≥LOD	N/A	ND	PASS
Ethoprop(hos)	0.03/0.08	≥LOD	N/A	ND	PASS
Etofenprox	0.02/0.05	≥LOD	N/A	ND	PASS
Fenoxycarb	0.02/0.06	≥LOD	N/A	ND	PASS
Fipronil	0.02/0.06	≥LOD	N/A	ND	PASS
Imazalil	0.02/0.06	≥LOD	N/A	ND	PASS
Methiocarb	0.02/0.06	≥LOD	N/A	ND	PASS
Methyl parathion	0.03/0.10	≥LOD	N/A	ND	PASS
Mevinphos	0.03/0.09	≥LOD	N/A	ND	PASS
Paclobutrazol	0.02/0.05	≥LOD	N/A	ND	PASS
Propoxur	0.02/0.06	≥LOD	N/A	ND	PASS
Spiroxamine	0.02/0.05	≥LOD	N/A	ND	PASS
Thiacloprid	0.03/0.07	≥LOD	N/A	ND	PASS

### CATEGORY 2 PESTICIDE TEST RESULTS - 11/01/2020 OPASS

Abamectin	0.03/0.10	0.3	N/A	ND	PASS
Acephate	0.01/0.04	5	N/A	ND	PASS
Acequinocyl	0.02/0.05	4	N/A	ND	PASS
Acetamiprid	0.02/0.05	5	N/A	ND	PASS
Azoxystrobin	0.01/0.04	40	N/A	ND	PASS
Bifenazate	0.01/0.02	5	N/A	ND	PASS
Bifenthrin	0.01/0.02	0.5	N/A	ND	PASS
Boscalid	0.02/0.06	10	N/A	ND	PASS
Captan	0.2/0.5	5	N/A	ND	PASS
Carbaryl	0.01/0.02	0.5	N/A	ND	PASS
Chlorantraniliprole	0.01/0.03	40	N/A	ND	PASS

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### **CATEGORY 1 AND 2 PESTICIDES**

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). \*GC-MS utilized where indicated.

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

### CATEGORY 2 PESTICIDE TEST RESULTS - 11/01/2020 continued

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Clofentezine	0.02/0.06	0.5	N/A	ND	PASS
Cyfluthrin	0.1/0.4	1	N/A	ND	PASS
Cypermethrin	0.1/0.3	1	N/A	ND	PASS
Diazinon	0.01/0.04	0.2	N/A	ND	PASS
Dimethomorph	0.01/0.03	20	N/A	ND	PASS
Etoxazole	0.010/0.028	1.5	N/A	ND	PASS
Fenhexamid	0.02/0.1	10	N/A	ND	PASS
Fenpyroximate	0.03/0.08	2	N/A	ND	PASS
Flonicamid	0.01/0.04	2	N/A	ND	PASS
Fludioxonil	0.03/0.08	30	N/A	ND	PASS
Hexythiazox	0.01/0.04	2	N/A	ND	PASS
Imidacloprid	0.01/0.04	3	N/A	ND	PASS
Kresoxim-methyl	0.02/0.07	1	N/A	ND	PASS
Malathion	0.02/0.05	5	N/A	ND	PASS
Metalaxyl	0.02 / 0.06	15	N/A	ND	PASS
Methomyl	0.03/0.1	0.1	N/A	ND	PASS
Myclobutanil	0.03/0.1	9	N/A	ND	PASS
Naled	0.03/0.1	0.5	N/A	ND	PASS
Oxamyl	0.02/0.06	0.2	N/A	ND	PASS
Pentachloronitrobenzene*	0.03/0.09	0.2	N/A	ND	PASS
Permethrin	0.03/0.09	20	N/A	ND	PASS
Phosmet	0.03/0.10	0.2	N/A	ND	PASS
Piperonylbutoxide	0.003/0.009	8	N/A	ND	PASS
Prallethrin	0.03 / 0.08	0.4	N/A	ND	PASS
Propiconazole	0.01/0.03	20	N/A	ND	PASS
Pyrethrins	0.03/0.08	1	N/A	ND	PASS
Pyridaben	0.006/0.019	3	N/A	ND	PASS
Spinetoram	0.02/0.07	3	N/A	ND	PASS
Spinosad	0.02/0.06	3	N/A	ND	PASS
Spiromesifen	0.02/0.05	12	N/A	ND	PASS
Spirotetramat	0.01/0.02	13	N/A	ND	PASS
Tebuconazole	0.02/0.07	2	N/A	ND	PASS
Thiamethoxam	0.03/0.08	4.5	N/A	ND	PASS
Trifloxystrobin	0.01/0.03	30	N/A	ND	PASS



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Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

 $\ensuremath{\textbf{Method:}}\xspace$  QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

### MYCOTOXIN TEST RESULTS - 11/02/2020 🔗 PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	2.0/6.0	20	N/A	ND	PASS
Aflatoxin B2	1.8/5.6	20	N/A	ND	PASS
Aflatoxin G1	1.0/3.1	20	N/A	ND	PASS
Aflatoxin G2	1.2/3.5	20	N/A	ND	PASS
Total Aflatoxin		20		ND	PASS
Ochratoxin A	6.3 / 19.2	20	N/A	ND	PASS

### HEAVY METALS TEST RESULTS - 10/31/2020 @ PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Cadmium	0.02/0.05	0.5	N/A	ND	PASS
Lead	0.04/0.1	0.5	N/A	ND	PASS
Arsenic	0.02/0.1	1.5	N/A	ND	PASS
Mercury	0.002/0.01	3	N/A	ND	PASS

### MICROBIAL IMPURITIES TEST RESULTS (PCR) - 11/02/2020 🔗 PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing Escherichia coli	Detect	ND	PASS
Salmonella spp.	Detect	ND	PASS
Aspergillus fumigatus		NT	
Aspergillus flavus		NT	
Aspergillus niger		NT	
Aspergillus terreus		NT	

### MICROBIAL IMPURITIES TEST RESULTS (PLATING) - 11/02/2020 ND

COMPOUND	RESULT (cfu/g)
Aerobic Plate Count	ND
Total Yeast and Mold	ND

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Analysis conducted by 3M<sup>™</sup> Petrifilm<sup>™</sup> and plate counts of microbial impurities.

Method: QSP 6794 - Plating with 3M<sup>™</sup> Petrifilm<sup>™</sup>



Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

**Microbial Impurities** 

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

Analysis PCR AND PLATING

Method: QSP 1221 - Analysis of Microbial Impurities



impurities.