

Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 11/07/2021

SAMPLE NAME: cbdMD Full Spectrum Tincture 30 mL Chocolate Mint 1500 mg Infused, Hemp Infused

Infused, Hemp Infused		
CULTIVATOR / MANUFACTURER Business Name: License Number: Address: SAMPLE DETAIL Batch Number: 13051D5 Sample ID: 211103P035	DISTRIBUTOR / TESTED FOR Business Name: cbdMD License Number: Address: Date Collected: 11/03/2021 Date Received: 11/03/2021 Batch Size:	
	Sample Size: 1.0 units Unit Mass: 30 milliliters per Unit Serving Size: 1 milliliters per Serving	Scan QR code to verify authenticity of results.
CANNABINOID ANALYSIS - SUMMARY	,	
Total CBD: 1668.300 mg/unit Sum of Cannabinoids: 1794.750 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 = Δ 9THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877)) Sum of Cannabinoids = Δ 9THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ 8THC + CBL + CBN Total Cannabinoids = (Δ 9THC+0.877*THCa) + (CBD+0.877*CBDa) + CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + CBDV+0.877*CBDVa) + Δ 8THC + CBL + CBN	
TERPENOID ANALYSIS - SUMMARY		39 TESTED, TOP 3 HIGHLIGHTED
Total Terpenoids: 0.1715%	nthol 0.868 mg/g 🛛 🔵 α Bisabolol 0.189 mg/g	g Eucalyptol 0.145 mg/g
SAFETY ANALYSIS - SUMMARY		
Pesticides: PASS	Mycotoxins: PASS	Residual Solvents: PASS
Heavy Metals: PASS	Microbiology (PCR): OPASS	Microbiology (Plating): PASS
Foreign Material: OPASS		
quality assurance purposes. Not a Pre-Harvest Hemp Lab Test e sample included on this report. This report shall not be rep oval of the laboratory.		
nple Certification: Action Limits used in this report are a con ncies in all states. Action limits for required tests are either sta a regulations based upon the papel requested		<u> </u>

state regulations based upon the panel requested.

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)

Let whise by is Johnson

roved by: Josh Wurzer, President te: 11/07/2021

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Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

CBDMD FULL SPECTRUM TINCTURE 30 ML CHOCOLATE MINT 1500 MG | DATE ISSUED 11/07/2021



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

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

TOTAL THC: 37.470 mg/unit

Total THC (∆9THC+0.877*THCa)

TOTAL CBD: 1668.300 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 1794.750 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ 8THC + CBL + CBN

TOTAL CBG: 20.100 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 51.300 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 8.130 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 11/05/2021

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004/0.011	±2.6637	55.610	5.8432
СВС	0.003/0.010	±0.0708	1.710	0.1797
Δ9THC	0.002/0.014	±0.0881	1.249	0.1312
CBG	0.002 / 0.006	±0.0417	0.670	0.0704
CBDV	0.002/0.012	±0.0142	0.271	0.0285
CBN	0.001/0.007	±0.0082	0.221	0.0232
CBL	0.003/0.010	±0.0044	0.094	0.0099
Δ8THC	0.01/0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
тнсу	0.002/0.012	N/A	ND	ND
THCVa	0.002/0.019	N/A	ND	ND
CBDa	0.001/0.026	N/A	ND	ND
CBDVa	0.001/0.018	N/A	ND	ND
CBGa	0.002/0.007	N/A	ND	ND
CBCa	0.001/0.015	N/A	ND	ND
SUM OF CANNA	BINOIDS		59.825 mg/mL	6.2861%

Unit Mass: 30 milliliters per Unit / Serving Size: 1 milliliters per Serving

∆9THC per Unit	37.470 mg/unit
Δ9THC per Serving	1.249 mg/serving
Total THC per Unit	37.470 mg/unit
Total THC per Serving	1.249 mg/serving
CBD per Unit	1668.300 mg/unit
CBD per Serving	55.610 mg/serving
Total CBD per Unit	1668.300 mg/unit
Total CBD per Serving	55.610 mg/serving
Sum of Cannabinoids per Unit	1794.750 mg/unit
Sum of Cannabinoids per Serving	59.825 mg/serving
Total Cannabinoids per Unit	1794.750 mg/unit
Total Cannabinoids per Serving	59.825 mg/serving

DENSITY TEST RESULT

0.9517 g/mL

Tested 11/05/2021

Method: QSP 7870 - Sample Preparation



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Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

CBDMD FULL SPECTRUM TINCTURE 30 ML CHOCOLATE MINT 1500 MG | DATE ISSUED 11/07/2021



Terpene analysis utilizing gas chromatographyflame ionization detection (GC-FID).

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

Menthol

A monoterpenoid alcohol with a fragrance that can be described as fresh, cool and herbal. It is responsible for the distinct odor of mint. It is frequently added to cigarettes and mouthwash as a flavorant. Found in mint, sunflower, micromeria, mountain mint, rose geranium, pennyroyal, tarragon, savory, basil, juniper, couch grass, rhubarb, acinos (basil thyme), ironwort, muña...etc.

α Bisabolol

A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

Eucalyptol

A monoterpenoid alcohol with a fragrance that can be described as a combination of fresh, spicy, herbal and minty. It is sometimes added to cigarettes and mouthwashes as a flavorant. Although sometimes used as an insect repellant, it is a powerful attractant to certain male bees. Found in eucalyptus, rosemary, wormwood, sage...etc.



TERPENOID TEST RESULTS - 11/05/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Menthol	0.008/0.025	±0.0347	0.868	0.0868
α Bisabolol	0.008/0.026	±0.0101	0.189	0.0189
Eucalyptol	0.006/0.018	±0.0037	0.145	0.0145
β Caryophyllene	0.004/0.012	±0.0051	0.143	0.0143
Guaiol	0.009/0.030	±0.0049	0.104	0.0104
Caryophyllene Oxide	0.010/0.033	±0.0029	0.062	0.0062
Limonene	0.005/0.016	±0.0008	0.059	0.0059
lpha Humulene	0.009/0.029	±0.0016	0.049	0.0049
R-(+)-Pulegone	0.003/0.011	±0.0018	0.044	0.0044
βPinene	0.004/0.014	±0.0003	0.030	0.0030
α Pinene	0.005/0.017	±0.0002	0.022	0.0022
Sabinene	0.004/0.014	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
γTerpinene	0.006 / 0.018	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Sabinene Hydrate	0.006 / 0.022	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Terpineol	0.016/0.055	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
$trans-\beta$ -Farnesene	0.008/0.025	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Nerolidol	0.009/0.028	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Camphene	0.005/0.015	N/A	ND	ND
Myrcene	0.008 / 0.025	N/A	ND	ND
α Phellandrene	0.006 / 0.020	N/A	ND	ND
3 Carene	0.005/0.018	N/A	ND	ND
α Terpinene	0.005/0.017	N/A	ND	ND
p-Cymene	0.005/0.016	N/A	ND	ND
Ocimene	0.011/0.038	N/A	ND	ND
Fenchone	0.009/0.028	N/A	ND	ND
Terpinolene	0.008/0.026	N/A	ND	ND
Linalool	0.009/0.032	N/A	ND	ND
Fenchol	0.010/0.034	N/A	ND	ND
(-)-Isopulegol	0.005/0.016	N/A	ND	ND
Camphor	0.006/0.019	N/A	ND	ND
Isoborneol	0.004/0.012	N/A	ND	ND
Borneol	0.005/0.016	N/A	ND	ND
Nerol	0.003/0.011	N/A	ND	ND
Citronellol	0.003/0.010	N/A	ND	ND
Geraniol	0.002/0.007	N/A	ND	ND
Geranyl Acetate	0.004 / 0.014	N/A	ND	ND
α Cedrene	0.005 / 0.016	N/A	ND	ND
Valencene	0.009/0.030	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
TOTAL TERPENOIDS			1.715 mg/g	0.1715%

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CBDMD FULL SPECTRUM TINCTURE 30 ML CHOCOLATE MINT 1500 MG | DATE ISSUED 11/07/2021

Pesticide Analysis

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

Exclusions¹ see last page

Exclusions² see last page



LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
0.03/0.10	0.3	N/A	ND	PASS
0.02/0.07	5	N/A	ND	PASS
0.02/0.07	4	N/A	ND	PASS
0.02/0.05	5	N/A	ND	PASS
0.03/0.08	≥LOD	N/A	ND	PASS
0.02/0.07	40	N/A	ND	PASS
0.01/0.04	5	N/A	ND	PASS
0.02 / 0.05	0.5	N/A	ND	PASS
0.03/0.09	10	N/A	ND	PASS
0.19/0.57	5	N/A	ND	PASS
0.02/0.06	0.5	N/A	ND	PASS
0.02/0.05	≥LOD	N/A	ND	PASS
0.04 / 0.12	40	N/A	ND	PASS
0.03/0.08	≥LOD	N/A	ND	PASS
0.03/0.10	≥LOD	N/A	ND	PASS
0.02/0.06	≥LOD	N/A	ND	PASS
0.03/0.09	0.5	N/A	ND	PASS
0.02/0.07	≥LOD	N/A	ND	PASS
0.12/0.38	1	N/A	ND	PASS
0.11/0.32	1	N/A	ND	PASS
0.02/0.07	≥LOD	N/A	ND	PASS
0.03/0.09	≥LOD	N/A	ND	PASS
0.02/0.05	0.2	N/A	ND	PASS
0.03/0.08	≥LOD	N/A	ND	PASS
0.03/0.09	20	N/A	ND	PASS
0.03/0.10	≥LOD	N/A	ND	PASS
0.02/0.06	≥LOD	N/A	ND	PASS
0.02/0.06	1.5	N/A	ND	PASS
0.03/0.09	10	N/A	ND	PASS
0.03/0.08	≥LOD	N/A	ND	PASS
0.02/0.06	2	N/A	ND	PASS
0.03/0.08	≥ LOD	N/A	ND	PASS
	2	N/A	ND	PASS
				PASS
_				PASS
				PASS
				PASS
	 (μ9/9) 0.03 / 0.10 0.02 / 0.07 0.02 / 0.07 0.02 / 0.05 0.03 / 0.08 0.02 / 0.07 0.01 / 0.04 0.02 / 0.05 0.03 / 0.09 0.02 / 0.05 0.04 / 0.12 0.03 / 0.08 0.02 / 0.07 0.03 / 0.09 0.03 / 0.08 0.02 / 0.06 	(µg/g) (µg/g) $0.03 / 0.10$ 0.3 $0.02 / 0.07$ 5 $0.02 / 0.07$ 4 $0.02 / 0.05$ 5 $0.03 / 0.08$ $\geq LOD$ $0.02 / 0.07$ 40 $0.02 / 0.07$ 40 $0.02 / 0.07$ 40 $0.02 / 0.05$ 0.5 $0.02 / 0.05$ 0.5 $0.02 / 0.05$ $\geq LOD$ $0.02 / 0.06$ $\geq LOD$ $0.02 / 0.05$ $\geq LOD$ $0.02 / 0.06$ $\geq LOD$ $0.03 / 0.09$ 0.5 $0.02 / 0.06$ $\geq LOD$ $0.03 / 0.09$ 0.5 $0.02 / 0.07$ $\geq LOD$ $0.03 / 0.09$ 20 $0.03 / 0.09$ 20 $0.03 / 0.09$ 20 $0.03 / 0.09$ 10 $0.02 / 0.06$ $\geq LOD$ $0.02 / 0.06$ $\geq LOD$ </td <td>$(\mu g/g)$$(\mu g/g)$UNCERTAINTY $(\mu g/g)$$0.03 / 0.10$$0.3$$N/A$$0.02 / 0.07$$5$$N/A$$0.02 / 0.07$$4$$N/A$$0.02 / 0.05$$5$$N/A$$0.03 / 0.08$$\geq LOD$$N/A$$0.02 / 0.07$$40$$N/A$$0.02 / 0.07$$40$$N/A$$0.02 / 0.05$$0.5$$N/A$$0.02 / 0.05$$0.5$$N/A$$0.02 / 0.05$$0.5$$N/A$$0.02 / 0.05$$0.5$$N/A$$0.02 / 0.05$$0.5$$N/A$$0.02 / 0.06$$0.5$$N/A$$0.02 / 0.06$$0.5$$N/A$$0.02 / 0.06$$\geq LOD$$N/A$$0.02 / 0.06$$\geq LOD$$N/A$$0.03 / 0.10$$\geq LOD$$N/A$$0.03 / 0.10$$\geq LOD$$N/A$$0.03 / 0.09$$0.5$$N/A$$0.02 / 0.07$$\geq LOD$$N/A$$0.02 / 0.07$$\geq LOD$$N/A$$0.02 / 0.07$$\geq LOD$$N/A$$0.01 / 0.07$$\geq LOD$$N/A$$0.02 / 0.05$$0.2$$N/A$$0.03 / 0.09$$\geq LOD$$N/A$$0.03 / 0.09$$\geq LOD$$N$</td> <td>(µg/g)(µg/g)UNCERTAINTY (µg/g)(µg/g)$0.03 / 0.10$$0.3$$N/AND0.02 / 0.07$$5$$N/AND0.02 / 0.07$$4$$N/AND0.02 / 0.05$$5$$N/AND0.02 / 0.07$$40$$N/AND0.02 / 0.07$$40$$N/AND0.02 / 0.07$$40$$N/AND0.02 / 0.07$$40$$N/AND0.02 / 0.05$$0.5$$N/AND0.02 / 0.05$$0.5$$N/AND0.02 / 0.05$$0.5$$N/AND0.02 / 0.05$$0.5$$N/AND0.02 / 0.05$$0.5$$N/AND0.02 / 0.05$$2 LOD$$N/AND0.02 / 0.05$$2 LOD$$N/AND0.02 / 0.05$$2 LOD$$N/AND0.03 / 0.08$$2 LOD$$N/AND0.02 / 0.06$$2 LOD$$N/AND0.02 / 0.07$$2 LOD$$N/AND0.02 / 0.07$$2 LOD$$N/AND0.02 / 0.07$$2 LOD$$N/AND0.03 / 0.09$$2 LOD$$N/AND0.03 / 0.09$$2 LOD$$N/AND0.02 / 0.05$$0.2$$N/AND0.02 / 0.07$$2 LOD$$N/AND0.03 / 0.09$$2 LOD$$N/AND0.03 / 0.09$$2 LOD$$N/AND0.03 / 0.09$$2 LOD$$N/A$</td>	$(\mu g/g)$ $(\mu g/g)$ UNCERTAINTY $(\mu g/g)$ $0.03 / 0.10$ 0.3 N/A $0.02 / 0.07$ 5 N/A $0.02 / 0.07$ 4 N/A $0.02 / 0.05$ 5 N/A $0.03 / 0.08$ $\geq LOD$ N/A $0.02 / 0.07$ 40 N/A $0.02 / 0.07$ 40 N/A $0.02 / 0.05$ 0.5 N/A $0.02 / 0.06$ 0.5 N/A $0.02 / 0.06$ 0.5 N/A $0.02 / 0.06$ $\geq LOD$ N/A $0.02 / 0.06$ $\geq LOD$ N/A $0.03 / 0.10$ $\geq LOD$ N/A $0.03 / 0.10$ $\geq LOD$ N/A $0.03 / 0.09$ 0.5 N/A $0.02 / 0.07$ $\geq LOD$ N/A $0.02 / 0.07$ $\geq LOD$ N/A $0.02 / 0.07$ $\geq LOD$ N/A $0.01 / 0.07$ $\geq LOD$ N/A $0.02 / 0.05$ 0.2 N/A $0.03 / 0.09$ $\geq LOD$ N	(µg/g)(µg/g)UNCERTAINTY (µg/g)(µg/g) $0.03 / 0.10$ 0.3 N/A ND $0.02 / 0.07$ 5 N/A ND $0.02 / 0.07$ 4 N/A ND $0.02 / 0.05$ 5 N/A ND $0.02 / 0.07$ 40 N/A ND $0.02 / 0.05$ 0.5 N/A ND $0.02 / 0.05$ $2 LOD$ N/A ND $0.02 / 0.05$ $2 LOD$ N/A ND $0.02 / 0.05$ $2 LOD$ N/A ND $0.03 / 0.08$ $2 LOD$ N/A ND $0.02 / 0.06$ $2 LOD$ N/A ND $0.02 / 0.07$ $2 LOD$ N/A ND $0.02 / 0.07$ $2 LOD$ N/A ND $0.02 / 0.07$ $2 LOD$ N/A ND $0.03 / 0.09$ $2 LOD$ N/A ND $0.03 / 0.09$ $2 LOD$ N/A ND $0.02 / 0.05$ 0.2 N/A ND $0.02 / 0.07$ $2 LOD$ N/A ND $0.03 / 0.09$ $2 LOD$ N/A ND $0.03 / 0.09$ $2 LOD$ N/A ND $0.03 / 0.09$ $2 LOD$ N/A



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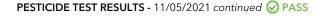


Pesticide Analysis Continued

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



COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Methomyl	0.03/0.10	0.1	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
Myclobutanil	0.03/0.09	9	N/A	ND	PASS
Naled	0.02/0.07	0.5	N/A	ND	PASS
Oxamyl	0.04/0.11	0.2	N/A	ND	PASS
Paclobutrazol	0.02/0.05	≥ LOD	N/A	ND	PASS
Pentachloronitrobenzene*	0.03/0.09	0.2	N/A	ND	PASS
Permethrin	0.04/0.12	20	N/A	ND	PASS
Phosmet	0.03/0.10	0.2	N/A	ND	PASS
Piperonylbutoxide	0.02/0.07	8	N/A	ND	PASS
Prallethrin	0.03/0.08	0.4	N/A	ND	PASS
Propiconazole	0.02/0.07	20	N/A	ND	PASS
Propoxur	0.03/0.09	≥LOD	N/A	ND	PASS
Pyrethrins	0.04/0.12	1	N/A	ND	PASS
Pyridaben	0.02/0.07	3	N/A	ND	PASS
Spinetoram	0.02/0.07	3	N/A	ND	PASS
Spinosad	0.02/0.07	3	N/A	ND	PASS
Spiromesifen	0.02/0.05	12	N/A	ND	PASS
Spirotetramat	0.02/0.06	13	N/A	ND	PASS
Spiroxamine	0.03/0.08	≥LOD	N/A	ND	PASS
Tebuconazole	0.02/0.07	2	N/A	<loq< td=""><td>PASS</td></loq<>	PASS
Thiacloprid	0.03/0.10	≥LOD	N/A	ND	PASS
Thiamethoxam	0.03/0.10	4.5	N/A	ND	PASS
Trifloxystrobin	0.03/0.08	30	N/A	ND	PASS

္ခံ🌾 Mycotoxin Analysis

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

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

Exclusions³ see last page

MYCOTOXIN TEST RESULTS - 11/05/2021 🔗 PASS

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



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Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

CBDMD FULL SPECTRUM TINCTURE 30 ML CHOCOLATE MINT 1500 MG | DATE ISSUED 11/07/2021



Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

Exclusions⁴ see last page



Heavy Metals Analysis

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

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

Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants



RESIDUAL SOLVENTS TEST RESULTS - 11/05/2021 🔗 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Propane	10/20	5000	N/A	ND	PASS
Butane	10/50	5000	N/A	ND	PASS
Pentane	20/50	5000	N/A	ND	PASS
Hexane	2/5	290	N/A	ND	PASS
Heptane	20/60	5000	N/A	ND	PASS
Benzene	0.03/0.09	1	N/A	ND	PASS
Toluene	7/21	890	N/A	ND	PASS
Total Xylenes	50/160	2170	N/A	ND	PASS
Methanol	50/200	3000	N/A	ND	PASS
Ethanol	20/50	5000	±19.5	512	PASS
Isopropyl Alcohol	10/40	5000	N/A	ND	PASS
Acetone	20/50	5000	N/A	ND	PASS
Ethyl ether	20/50	5000	N/A	ND	PASS
Ethylene Oxide	0.3/0.8	1	N/A	ND	PASS
Ethyl acetate	20/60	5000	N/A	ND	PASS
Chloroform	0.1/0.2	1	N/A	ND	PASS
Methylene chloride	0.3/0.9	1	N/A	ND	PASS
Trichloroethylene	0.1/0.3	1	N/A	ND	PASS
1,2-Dichloroethane	0.05 / 0.1	1	N/A	ND	PASS
Acetonitrile	2/7	410	N/A	ND	PASS

HEAVY METALS TEST RESULTS - 11/04/2021 @ PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	0.02/0.1	0.42	N/A	ND	PASS
Cadmium	0.02/0.05	0.27	N/A	ND	PASS
Lead	0.04 / 0.1	0.5	N/A	ND	PASS
Mercury	0.002/0.01	0.4	N/A	ND	PASS

MICROBIOLOGY TEST RESULTS (PCR) - 11/07/2021 OPASS

COMPOUND	ACTION LIMIT	ACTION LIMIT RESULT	
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS
Salmonella spp.	Not Detected in 1g	ND	PASS
Listeria monocytogenes	Not Detected in 1g	ND	PASS

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Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

CBDMD FULL SPECTRUM TINCTURE 30 ML CHOCOLATE MINT 1500 MG | DATE ISSUED 11/07/2021

PCR AND PLATING

Analysis conducted by 3M[™] Petrifilm[™] and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M[™] Petrifilm[™]

Ö. Foreign Material Analysis

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

Method: QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

Microbiology Analysis Continued MICROBIOLOGY TEST RESULTS (PLATING) - 11/07/2021 OPASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Total Aerobic Bacteria	100	ND	PASS
Total Yeast and Mold	10	ND	PASS

FOREIGN MATERIAL TEST RESULTS - 11/04/2021 O PASS

COMPOUND	ACTION LIMIT	RESULT
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	PASS
Total Sample Area Covered by Mold	>25%	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	PASS
Insect Fragment Count	> 1 per 3 grams	PASS
Hair Count	> 1 per 3 grams	PASS
Mammalian Excreta Count	> 1 per 3 grams	PASS

NOTES

1. Exclusions: QSP 1212 - Sample Certification: California Code of Regulation Title 4 Division 19 2. Exclusions: QSP 1213 - Sample Certification: California Code of Regulation Title 4 Division 19 3. Exclusions: Sample Certification: California Code of Regulation Title 4 Division 19 : Ochratoxin A - Action Limit: 20

µg/kg 4. Exclusions: Sample Certification: California Code of Regulation Title 4 Division 19



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