

# CERTIFICATE OF ANALYSIS

\* FOR QUALITY ASSURANCE PURPOSES. NOT A CALIFORNIA COMPLIANCE CERTIFICATE.

PRODUCED: NOV 12, 2019

THERAMUCBD (ISOLATE) // CLIENT: DESERT HOT SPRING WELLNESS SERVICES

BATCH RESULT: **PASS**

**BATCH NO.:** TCBD1101-19  
**MATRIX:** ISOLATE  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-191101-073  
**COLLECTED ON:** NOV 01, 2019  
**RECEIVED ON:** NOV 01, 2019  
**BATCH SIZE:** 14 GRAMS  
**SAMPLE SIZE:** 14 GRAMS

**CBD** 97.58 %

**CBDV** 0.17 %

**TOTAL CANNABINOIDS** 97.76 %



**MICROBIAL**  
PASS



**MYCOTOXINS**  
PASS



**PESTICIDES**  
PASS



**CANNABINOIDS**



**HEAVY METALS**  
PASS



**FOREIGN MATERIALS**  
PASS



**RESIDUAL SOLVENTS**  
PASS

**RESULTS CERTIFIED BY: RON BROOKS, M.S.**

SCIENTIFIC DIRECTOR, BELCOSTA LABS

NOV 12, 2019



ANALYTE	LABELED AMOUNT	DETECTED	DETECTED	LOD	LOQ	PASS/FAIL
CBC		ND	ND	0.025 mg/g	0.1 mg/g	N/A
CBCA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
CBD		97.58382 %	975.8382 mg/g	0.025 mg/g	0.1 mg/g	N/A
CBDA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
CBDV		0.17316 %	1.7316 mg/g	0.025 mg/g	0.1 mg/g	N/A
CBDVA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
CBG		ND	ND	0.025 mg/g	0.1 mg/g	N/A
CBGA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
CBN		ND	ND	0.025 mg/g	0.1 mg/g	N/A
$\Delta^8$ -THC		ND	ND	0.025 mg/g	0.1 mg/g	N/A
$\Delta^9$ -THC		ND	ND	0.025 mg/g	0.1 mg/g	N/A
THCA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
THCV		ND	ND	0.025 mg/g	0.1 mg/g	N/A
THCVA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
<b>TOTAL THC</b> <i>(TOTAL THC = (THCA X 0.877) + THC)</i>		ND	ND			N/A
<b>TOTAL CBD</b> <i>(TOTAL CBD = (CBDA X 0.877) + CBD)</i>		97.58382 %	975.8382 mg/g			N/A



BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR  
NOV 06, 2019



ANALYTE	ACTION LIMIT	DETECTED	PASS/FAIL
ASPERGILLUS FLAVUS	Any amount in 1 gram	ND	PASS
ASPERGILLUS FUMIGATUS	Any amount in 1 gram	ND	PASS
ASPERGILLUS NIGER	Any amount in 1 gram	ND	PASS
ASPERGILLUS TERREUS	Any amount in 1 gram	ND	PASS
ESCHERICHIA COLI	Any amount in 1 gram	ND	PASS
SALMONELLA SPP.	Any amount in 1 gram	ND	PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS  
NOV 05, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
AFLATOXIN B1	20 µg/kg	ND	15 µg/kg	20 µg/kg	PASS
AFLATOXIN B2	20 µg/kg	ND	15 µg/kg	20 µg/kg	PASS
AFLATOXIN G1	20 µg/kg	ND	15 µg/kg	20 µg/kg	PASS
AFLATOXIN G2	20 µg/kg	ND	15 µg/kg	20 µg/kg	PASS
AFLATOXINS	20 µg/kg	ND	15 µg/kg	20 µg/kg	PASS
OCHRATOXIN A	20 µg/kg	ND	15 µg/kg	20 µg/kg	PASS



BCL-13: PESTICIDE TESTING BY GC/MS  
NOV 05, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
CHLORDANE	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
CHLORFENAPYR	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
CHLORPYRIFOS	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
CYFLUTHRIN	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
CYPERMETHRIN	1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
DICHLORVOS	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
METHYL PARATHION	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI  
NOV 05, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
ACEPHATE	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
ACETAMIPRID	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
ALDICARB	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
BIFENAZATE	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
BIFENTHRIN	3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
BOSCALID	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
IMIDACLOPRID	5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
MALATHION	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
METALAXYL	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
METHIOCARB	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
METHOMYL	1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
MEVINPHOS	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
MYCLOBUTANIL	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
NALED	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS



<b>CARBARYL</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CARBOFURAN</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CHLORANTRANIL-IPROLE</b>	10 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CLOFENTEZINE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>COUMAPHOS</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>DAMINOZIDE</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>DIAZINON</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>DIMETHOATE</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>DIMETHOMORPH</b>	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ETHOPROPHOS</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ETOFENPROX</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ETOXAZOLE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FENHEXAMID</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FENOXYCARB</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FENPYROXIMATE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FIPRONIL</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FLONICAMID</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FLUDIOXONIL</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>HEXYTHIAZOX</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>IMAZALIL</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS

<b>OXAMYL</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PACLOBUTRAZOL</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PERMETHRIN</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PHOSMET</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PIPERONYLBUTO-XIDE</b>	3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PRALLETHRIN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PROPICONAZOLE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PROPOXUR</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PYRETHRINS</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PYRIDABEN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPINETORAM</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPINOSAD</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPIROMESIFEN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPIROTETRAMAT</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPIROXAMINE</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>TEBUCONAZOLE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>THIACLOPRID</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>THIAMETHOXAM</b>	5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>TRIFLOXYSTROB-IN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS



BCL-10: HEAVY METAL TESTING BY ICP-MS  
 NOV 05, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
ARSENIC	0.2 µg/g	ND	0.004 µg/g	0.02 µg/g	PASS
CADMIUM	0.2 µg/g	0.076 µg/g	0.004 µg/g	0.02 µg/g	PASS
LEAD	0.5 µg/g	< LOQ	0.004 µg/g	0.02 µg/g	PASS
MERCURY	0.1 µg/g	ND	0.001 µg/g	0.004 µg/g	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY  
 NOV 02, 2019



ANALYTE	ACTION LIMIT	DETECTED	PASS/FAIL
CINDERS	25 %	ND	PASS
DIRT	25 %	ND	PASS
IMBEDDED FOREIGN MATERIAL	25 %	ND	PASS
INSECT FRAGMENTS	1 Unit	ND	PASS
MAMMAL EXCREMENT	1 Unit	ND	PASS
MOLD	25 %	ND	PASS
RODENT HAIR	1 Unit	ND	PASS
SAND	25 %	ND	PASS
SOIL	25 %	ND	PASS



BCL-04: RESIDUAL SOLVENT ANALYSIS BY HS/GC-FID  
 NOV 06, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.6 µg/g	1 µg/g	PASS
ACETONE	5000 µg/g	ND	6 µg/g	15 µg/g	PASS
ACETONITRILE	410 µg/g	ND	3.6 µg/g	6 µg/g	PASS
BENZENE	1 µg/g	ND	0.6 µg/g	1 µg/g	PASS
BUTANE	5000 µg/g	ND	6 µg/g	10 µg/g	PASS
CHLOROFORM	1 µg/g	ND	0.6 µg/g	1 µg/g	PASS
ETHANOL	5000 µg/g	ND	6 µg/g	15 µg/g	PASS
ETHYL ACETATE	5000 µg/g	ND	6 µg/g	10 µg/g	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.6 µg/g	1 µg/g	PASS
ETHYL ETHER	5000 µg/g	ND	6 µg/g	10 µg/g	PASS
HEPTANE	5000 µg/g	67 µg/g	6 µg/g	10 µg/g	PASS
HEXANE	290 µg/g	ND	6 µg/g	10 µg/g	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	6 µg/g	15 µg/g	PASS
METHANOL	3000 µg/g	ND	6 µg/g	15 µg/g	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.6 µg/g	1 µg/g	PASS
PENTANE	5000 µg/g	ND	6 µg/g	10 µg/g	PASS
PROPANE	5000 µg/g	ND	6 µg/g	10 µg/g	PASS
TOLUENE	890 µg/g	ND	6 µg/g	10 µg/g	PASS



<b>TRICHLOROETHY- LENE</b>	1 µg/g	ND	0.6 µg/g	1 µg/g	PASS
<b>M-XYLENE</b>		ND	6 µg/g	10 µg/g	N/A
<b>O-XYLENE</b>		ND	6 µg/g	10 µg/g	N/A
<b>P-XYLENE</b>		ND	6 µg/g	10 µg/g	N/A
<b>TOTAL XYLENES</b>	2170 µg/g	ND	6 µg/g	10 µg/g	PASS

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