

CERTIFICATE OF ANALYSIS

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

PRODUCED: JAN 18, 2022

SAMPLE: DEEP SLEEP CBD (OTHER) // CLIENT: NATHAN COZZOLINO // BATCH: PASS



MATRIX: OTHER
 CATEGORY: OTHER
 SAMPLE ID: BCL-220114-058
 COLLECTED ON: JAN 14, 2022
 RECEIVED ON: JAN 14, 2022
 BATCH/SAMPLE SIZE: 73 G / 73 G
 SERVING SIZE: 3.63075 G

CANNABINOID OVERVIEW

Δ⁹-THC PER SERVING:	0.38 mg
CBD PER SERVING:	9.89 mg
TOTAL CANNABINOIDS:	10.86 mg



BCL-03: CANNABINOID POTENCY BY HPLC-UV // JAN 17, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.00992 %	0.0992 mg/g	0.00108/0.0246	N/A
CBCA	ND	ND	0.0031/0.0246	N/A
CBD	0.27238 %	2.7238 mg/g	0.00153/0.0246	N/A
CBDA	ND	ND	0.00079/0.0246	N/A
CBDV	ND	ND	0.00118/0.0246	N/A
CBDVA	ND	ND	0.00079/0.0246	N/A
CBG	0.00632 %	0.0632 mg/g	0.00143/0.0246	N/A
CBGA	ND	ND	0.00098/0.0246	N/A
CBN	ND	ND	0.00079/0.0246	N/A
Δ ⁸ -THC	ND	ND	0.00285/0.0246	N/A
Δ ⁹ -THC	0.01046 %	0.1046 mg/g	0.00207/0.0246	N/A
THCA	ND	ND	0.00148/0.0246	N/A
THCV	ND	ND	0.00162/0.0246	N/A
THCVA	ND	ND	0.00113/0.0246	N/A
TOT THC **	0.01046 %	0.1046 mg/g		N/A
TOT CBD **	0.27238 %	2.7238 mg/g		N/A
CBD/SRV	9.89 mg			N/A
Δ ⁹ -THC/SRV	0.38 mg			N/A

TERPENOID TESTING BY HS-GC/FID

ANALYTE	AMT	AMT	LOD/LOQ ()	PASS/FAIL
TOTAL TERPENES	ND	ND		N/A
α-PINENE	NT	NT		N/A
CAMPHENE	NT	NT		N/A
β-PINENE	NT	NT		N/A
β-MYRCENE	NT	NT		N/A
Δ ³ -CARENE	NT	NT		N/A
α-TERPINENE	NT	NT		N/A
D-LIMONENE	NT	NT		N/A
P-CYMENE	NT	NT		N/A
α-OCIMENE	NT	NT		N/A
β-OCIMENE	NT	NT		N/A
γ-TERPINENE	NT	NT		N/A
TERPINOLENE	NT	NT		N/A
LINALOOL	NT	NT		N/A
ISOPULEGOL	NT	NT		N/A
GERANIOL	NT	NT		N/A
β-CARYOPHYLLENE	NT	NT		N/A
α-HUMULENE	NT	NT		N/A
CIS-NEROLIDOL	NT	NT		N/A
TRANS-NEROLIDOL	NT	NT		N/A
GUAIOL	NT	NT		N/A
α-BISABOLOL	NT	NT		N/A
1,8-CINEOLE *	NT	NT		N/A

** TOTAL CBD = (CBDA X 0.877) + CBD
 ** TOTAL THC = (THCA X 0.877) + THC

* BEYOND SCOPE OF ACCREDITATION

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.
 SCIENCE DIRECTOR, BELCOSTA LABS
 JAN 18, 2022



BCL-13: PESTICIDE TESTING BY GC/MS // JAN 17, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	5 µg/g	ND	0.01977/0.06	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01199/0.03	N/A
CHLORDANE TRANS		ND	0.01082/0.03	N/A
CHLORFENAPYR	Any amt	ND	0.01364/0.06	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01653/0.06	PASS
DICHLORVOS	Any amt	ND	0.01165/0.06	PASS
METHYL PARATHION	Any amt	ND	0.00851/0.06	PASS
PENTACHLORONI-TROBENZENE	0.2 µg/g	ND	0.01282/0.06	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JAN 17, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.3 µg/g	ND	0.01153/0.04	PASS
ACEPHATE	5 µg/g	ND	0.00368/0.02	PASS
ACEQUINOCYL	4 µg/g	ND	0.00417/0.02	PASS
ACETAMIPRID	5 µg/g	ND	0.00464/0.02	PASS
ALDICARB	Any amt	ND	0.01109/0.04	PASS
AZOXYSTROBIN	40 µg/g	ND	0.00639/0.02	PASS
BIFENAZATE	5 µg/g	ND	0.00355/0.02	PASS
BIFENTHRIN	0.5 µg/g	ND	0.00473/0.04	PASS
BOSCALID	10 µg/g	ND	0.00494/0.02	PASS
CARBARYL	0.5 µg/g	ND	0.00295/0.02	PASS
CARBOFURAN	Any amt	ND	0.00613/0.02	PASS
CHLORANTRANIL-IPROLE	40 µg/g	ND	0.00697/0.04	PASS
CLOFENTEZINE	0.5 µg/g	ND	0.0054/0.02	PASS
COUMAPHOS	Any amt	ND	0.00215/0.02	PASS
CYFLUTHRIN	1 µg/g	ND	0.05508/0.2	PASS
CYPERMETHRIN	1 µg/g	ND	0.00556/0.04	PASS
DAMINOZIDE	Any amt	ND	0.00227/0.04	PASS
DIAZINON	0.2 µg/g	ND	0.00487/0.02	PASS
DIMETHOATE	Any amt	ND	0.00354/0.02	PASS
DIMETHOMORPH	20 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00109/0.0078	N/A
DIMETHOMORPH II		ND	0.0015/0.0122	N/A
ETHOPROPHOS	Any amt	ND	0.0041/0.02	PASS
ETOFENPROX	Any amt	ND	0.00274/0.02	PASS
ETOXAZOLE	1.5 µg/g	ND	0.00385/0.02	PASS
FENHEXAMID	10 µg/g	ND	0.01055/0.02	PASS
FENOXYCARB	Any amt	ND	0.00175/0.02	PASS
FENPYROXIMATE	2 µg/g	ND	0.00481/0.02	PASS
FIPRONIL	Any amt	ND	0.00478/0.02	PASS
FLONICAMID	2 µg/g	ND	0.00398/0.02	PASS
FLUDIOXONIL	30 µg/g	ND	0.01369/0.04	PASS
HEXYTHIAZOX	2 µg/g	ND	0.00297/0.02	PASS
IMAZALIL	Any amt	ND	0.0056/0.02	PASS
IMIDACLOPRID	3 µg/g	ND	0.00645/0.02	PASS
KRESOXIM-METHYL	1 µg/g	ND	0.00339/0.02	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
MALATHION	5 µg/g	ND	0.00472/0.02	PASS
METALAXYL	15 µg/g	ND	0.00503/0.02	PASS
METHIOCARB	Any amt	ND	0.00503/0.02	PASS
METHOMYL	0.1 µg/g	ND	0.00494/0.02	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.00163/0.0084	N/A
MEVINPHOS II		ND	0.00542/0.0316	N/A
MYCLOBUTANIL	9 µg/g	ND	0.00867/0.04	PASS
NALED	0.5 µg/g	ND	0.00328/0.02	PASS
OXAMYL	0.2 µg/g	ND	0.00455/0.02	PASS
PACLOBUTRAZOL	Any amt	ND	0.00714/0.04	PASS
PERMETHRIN	20 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.00237/0.0082	N/A
PERMETHRIN TRANS		ND	0.00245/0.0118	N/A
PHOSMET	0.2 µg/g	ND	0.0043/0.02	PASS
PIPERONYLBUTO-XIDE	8 µg/g	ND	0.00247/0.02	PASS
PRALLETHRIN	0.4 µg/g	ND	0.00392/0.02	PASS
PROPICONAZOLE	20 µg/g	ND	0.0024/0.02	PASS
PROPOXUR	Any amt	ND	0.00374/0.02	PASS
PYRETHRINS	1 µg/g	ND	0.00726/0.04	PASS
PYRIDABEN	3 µg/g	ND	0.0034/0.02	PASS
SPINETORAM	3 µg/g	ND		PASS
SPINETORAM J		ND	0.00329/0.016	N/A
SPINETORAM L		ND	0.00157/0.016	N/A
SPINOSAD	3 µg/g	ND		PASS
SPINOSAD A		ND	0.00205/0.01438	N/A
SPINOSAD D		ND	0.00104/0.00498	N/A
SPIROMESIFEN	12 µg/g	ND	0.00944/0.04	PASS
SPIROTETRAMAT	13 µg/g	ND	0.00208/0.02	PASS
SPIROXAMINE	Any amt	ND	0.00344/0.02	PASS
TEBUCONAZOLE	2 µg/g	ND	0.00816/0.04	PASS
THIACLOPRID	Any amt	ND	0.0039/0.02	PASS
THIAMETHOXAM	4.5 µg/g	ND	0.00358/0.02	PASS
TRIFLOXYSTROB-IN	30 µg/g	ND	0.00421/0.02	PASS



BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // JAN 17, 2022

ANALYTE	LIMIT AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND 0.1707/0.59547	PASS
ACETONE	5000 µg/g	ND 19.21397/59.54744	PASS
ACETONITRILE	410 µg/g	ND 17.05042/59.54744	PASS
BENZENE	1 µg/g	ND 0.07543/0.59547	PASS
BUTANE	5000 µg/g	ND 17.97936/59.54744	PASS
CHLOROFORM	1 µg/g	ND 0.17467/0.59547	PASS
ETHANOL	5000 µg/g	308.427 14.73998/59.54744	PASS
ETHYL ACETATE	5000 µg/g	ND 18.20167/59.54744	PASS
ETHYLENE OXIDE	1 µg/g	ND 0.19055/0.59547	PASS
ETHYL ETHER	5000 µg/g	ND 16.03414/59.54744	PASS
HEPTANE	5000 µg/g	ND 14.02938/59.54744	PASS
HEXANE	290 µg/g	ND 21.59984/99.24573	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND 14.88686/59.54744	PASS
METHANOL	3000 µg/g	ND 13.35054/59.54744	PASS
METHYLENE CHLORIDE	1 µg/g	ND 0.15085/0.59547	PASS
PENTANE	5000 µg/g	ND 32.83049/99.24573	PASS
PROPANE	5000 µg/g	ND 16.96308/59.54744	PASS
TOLUENE	890 µg/g	ND 9.37277/59.54744	PASS
TRICHLOROETHYLENE	1 µg/g	ND 0.0794/0.59547	PASS
O-XYLENE		ND 4.43827/29.77372	N/A
P- AND M-XYLENE		ND 4.11274/29.77372	N/A
TOTAL XYLENES	2170 µg/g	ND	PASS

BCL-020: HEAVY METAL TESTING BY ICP-MS // JAN 16, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	1.5 µg/g	< LOQ	0.001/0.05	PASS
CADMIUM	0.5 µg/g	ND	0.0002/0.05	PASS
LEAD	0.5 µg/g	< LOQ	0.0003/0.05	PASS
MERCURY	3 µg/g	< LOQ	0.0001/0.01	PASS

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BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JAN 15, 2022

ANALYTE	LIMIT AMT (%)	PASS/FAIL
IMBEDDED FOREIGN MATERIAL	25 %	ND PASS
INSECT FRAGMENTS, HAIR, MAMMAL EXCREMENT	1 Unit	ND PASS
MOLD	25 %	ND PASS
SAND, SOIL, CINDERS, DIRT	25 %	ND PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JAN 17, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	0.23/4	N/A
AFLATOXIN B2		ND	0.181/4	N/A
AFLATOXIN G1		ND	0.155/4	N/A
AFLATOXIN G2		ND	0.934/4	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	0.385/4	PASS

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // JAN 16, 2022

ANALYTE	LIMIT	AMT (CFU)	PASS/FAIL
ESCHERICHIA COLI	Any amt in 1 gram	ND	PASS
SALMONELLA SPP.	Any amt in 1 gram	ND	PASS

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // JAN 16, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY		0.59	N/A

