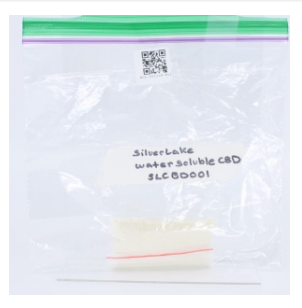


# CERTIFICATE OF ANALYSIS

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

THIS IS A REVISED COA ISSUED JAN 28, 2021

SAMPLE: WATER SOLUBLE CBD (EDIBLE LIQUID) // CLIENT: YUNNAN YUNYAO CO. LTD // BATCH: PASS



BATCH NO.: 2019008  
 MATRIX: EDIBLE LIQUID  
 CATEGORY: EDIBLE  
 SAMPLE ID: BCL-201118-011  
 COLLECTED ON: NOV 18, 2020  
 RECEIVED ON: NOV 18, 2020  
 BATCH SIZE: 13 GRAMS  
 SAMPLE SIZE: 13 GRAMS

## CANNABINOID OVERVIEW

TOTAL THC:	0 %
TOTAL CBD:	9.98318 %
TOTAL CANNABINOIDS:	9.98318 %



## BCL-03: CANNABINOID POTENCY BY HPLC-UV // NOV 22, 2020

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	0.02164/0.49174	N/A
CBCA	ND	ND	0.06196/0.49174	N/A
CBD	9.98318 %	99.8318 mg/g	0.03049/0.49174	N/A
CBDA	ND	ND	0.01574/0.49174	N/A
CBDV	ND	ND	0.0236/0.49174	N/A
CBDVA	ND	ND	0.01574/0.49174	N/A
CBG	ND	ND	0.02852/0.49174	N/A
CBGA	ND	ND	0.01967/0.49174	N/A
CBN	ND	ND	0.01574/0.49174	N/A
Δ <sup>8</sup> -THC	ND	ND	0.05704/0.49174	N/A
Δ <sup>9</sup> -THC	ND	ND	0.04131/0.49174	N/A
THCA	ND	ND	0.0295/0.49174	N/A
THCV	ND	ND	0.03245/0.49174	N/A
THCVA	ND	ND	0.02262/0.49174	N/A
TOT THC **	ND	ND		N/A
TOT CBD **	9.98318 %	99.8318 mg/g		N/A

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

## BCL-09: TERPENOID TESTING BY HS-GC/FID // NOV 23, 2020

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	ND	ND		N/A
α-BISABOLOL	ND	ND	0.3/91	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.2/91	N/A
P-CYMENE	ND	ND	0.2/91	N/A
LINALOOL	ND	ND	0.2/91	N/A
ISOPULEGOL	ND	ND	0.2/91	N/A
GUAIOL	ND	ND	0.2/91	N/A
GERANIOL	ND	ND	0.3/91	N/A
γ-TERPINENE	ND	ND	0.2/91	N/A
EUCALYPTOL	ND	ND	0.2/91	N/A
D-LIMONENE	ND	ND	0.2/91	N/A
α-HUMULENE	ND	ND	0.2/91	N/A
CAMPHERE	ND	ND	0.2/91	N/A
β-PINENE	ND	ND	0.2/91	N/A
β-OCIMENE	ND	ND	0.2/63	N/A
β-MYRCENE	ND	ND	0.2/91	N/A
β-CARYOPHYLLENE	ND	ND	0.2/91	N/A
α-TERPINENE	ND	ND	0.2/91	N/A
α-PINENE	ND	ND	0.2/91	N/A
α-OCIMENE	ND	ND	0.4/28	N/A
TERPINOLENE	ND	ND	0.2/91	N/A



RESULTS CERTIFIED BY: RON BROOKS, M.S.  
 LABORATORY DIRECTOR, BELCOSTA LABS  
 JAN 28, 2021

**BCL-13: PESTICIDE TESTING BY GC/MS // NOV 21, 2020**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	5 µg/g	ND	0.00463/0.06	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.0012/0.00744	N/A
CHLORDANE TRANS		ND	0.00085/0.00798	N/A
CHLORFENAPYR	Any amt	ND	0.01863/0.06	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.0087/0.06	PASS
DICHLORVOS	Any amt	ND	0.00168/0.06	PASS
METHYL PARATHION	Any amt	ND	0.00135/0.06	PASS
PENTACHLORONI-TROBENZENE	0.2 µg/g	ND	0.0107/0.06	PASS

**BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // NOV 21, 2020**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.3 µg/g	ND	0.00015/0.00776	PASS
ACEPHATE	5 µg/g	ND	0.00086/0.008	PASS
ACEQUINOCYL	4 µg/g	ND	0.00083/0.008	PASS
ACETAMIPRID	5 µg/g	ND	0.00007/0.008	PASS
ALDICARB	Any amt	ND	0.00025/0.04	PASS
AZOXYSTROBIN	40 µg/g	ND	0.00032/0.008	PASS
BIFENAZATE	5 µg/g	ND	0.00011/0.008	PASS
BIFENTHRIN	0.5 µg/g	ND	0.0003/0.04	PASS
BOSCALID	10 µg/g	ND	0.00034/0.008	PASS
CARBARYL	0.5 µg/g	ND	0.00018/0.008	PASS
CARBOFURAN	Any amt	ND	0.0004/0.008	PASS
CHLORANTRANIL-IPROLE	40 µg/g	ND	0.00009/0.008	PASS
CLOFENTEZINE	0.5 µg/g	ND	0.00013/0.04	PASS
COUMAPHOS	Any amt	ND	0.0004/0.008	PASS
CYFLUTHRIN	1 µg/g	ND	0.00802/0.1	PASS
CYPERMETHRIN	1 µg/g	ND	0.00254/0.04	PASS
DAMINOZIDE	Any amt	ND	0.00119/0.04	PASS
DIAZINON	0.2 µg/g	ND	0.00015/0.008	PASS
DIMETHOATE	Any amt	ND	0.00005/0.008	PASS
DIMETHOMORPH	20 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00011/0.00312	N/A
DIMETHOMORPH II		ND	0.00016/0.00488	N/A
ETHOPROPHOS	Any amt	ND	0.00034/0.008	PASS
ETOFENPROX	Any amt	ND	0.00022/0.008	PASS
ETOXAZOLE	1.5 µg/g	ND	0.00006/0.008	PASS
FENHEXAMID	10 µg/g	ND	0.00042/0.008	PASS
FENOXYCARB	Any amt	ND	0.0004/0.02	PASS
FENPYROXIMATE	2 µg/g	ND	0.00015/0.008	PASS
FIPRONIL	Any amt	ND	0.00008/0.02	PASS
FLONICAMID	2 µg/g	ND	0.00011/0.008	PASS
FLUDIOXONIL	30 µg/g	ND	0.00011/0.02	PASS
HEXYTHIAZOX	2 µg/g	ND	0.00015/0.008	PASS
IMAZALIL	Any amt	ND	0.0006/0.008	PASS
IMIDACLOPRID	3 µg/g	ND	0.00016/0.008	PASS
KRESOXIM-METHYL	1 µg/g	ND	0.00025/0.008	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
MALATHION	5 µg/g	ND	0.00026/0.008	PASS
METALAXYL	15 µg/g	ND	0.00021/0.008	PASS
METHIOCARB	Any amt	ND	0.00043/0.02	PASS
METHOMYL	0.1 µg/g	ND	0.00025/0.008	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.00025/0.0042	N/A
MEVINPHOS II		ND	0.00079/0.0158	N/A
MYCLOBUTANIL	9 µg/g	ND	0.00042/0.008	PASS
NALED	0.5 µg/g	ND	0.00017/0.008	PASS
OXAMYL	0.2 µg/g	ND	0.00031/0.008	PASS
PACLOBUTRAZOL	Any amt	ND	0.00034/0.008	PASS
PERMETHRIN	20 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.00071/0.00328	N/A
PERMETHRIN TRANS		ND	0.00093/0.0118	N/A
PHOSMET	0.2 µg/g	ND	0.00014/0.008	PASS
PIPERONYLBUTO-XIDE	8 µg/g	ND	0.0002/0.008	PASS
PRALLETHRIN	0.4 µg/g	ND	0.00096/0.008	PASS
PROPICONAZOLE	20 µg/g	ND	0.00028/0.008	PASS
PROPOXUR	Any amt	ND	0.00036/0.008	PASS
PYRETHRINS	1 µg/g	ND	0.0002/0.02	PASS
PYRIDABEN	3 µg/g	ND	0.00017/0.008	PASS
SPINETORAM	3 µg/g	ND		PASS
SPINETORAM J		ND	0.00008/0.016	N/A
SPINETORAM L		ND	0.00002/0.0016	N/A
SPINOSAD	3 µg/g	ND		PASS
SPINOSAD A		ND	0.00007/0.0144	N/A
SPINOSAD D		ND	0.00004/0.002	N/A
SPIROMESIFEN	12 µg/g	ND	0.00027/0.008	PASS
SPIROTETRAMAT	13 µg/g	ND	0.00015/0.008	PASS
SPIROXAMINE	Any amt	ND	0.00018/0.008	PASS
TEBUCONAZOLE	2 µg/g	ND	0.00021/0.008	PASS
THIACLOPRID	Any amt	ND	0.00009/0.008	PASS
THIAMETHOXAM	4.5 µg/g	ND	0.00013/0.008	PASS
TRIFLOXYSTROB-IN	30 µg/g	ND	0.00005/0.008	PASS



**BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // NOV 21, 2020**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.1/0.4688	PASS
ACETONE	5000 µg/g	< LOQ	0.015/46.88	PASS
ACETONITRILE	410 µg/g	< LOQ	0.16/46.88	PASS
BENZENE	1 µg/g	ND	0.13/0.4688	PASS
BUTANE	5000 µg/g	ND	0.0086/46.88	PASS
CHLOROFORM	1 µg/g	ND	0.057/0.4688	PASS
ETHANOL	5000 µg/g	694.866	0.54/46.88	PASS
ETHYL ACETATE	5000 µg/g	ND	0.015/46.88	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.023/0.4688	PASS
ETHYL ETHER	5000 µg/g	ND	0.013/46.88	PASS
HEPTANE	5000 µg/g	ND	0.007/46.88	PASS
HEXANE	290 µg/g	< LOQ	0.0058/46.88	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	0.12/46.88	PASS
METHANOL	3000 µg/g	ND	3/46.88	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.032/0.4688	PASS
PENTANE	5000 µg/g	ND	0.0049/46.88	PASS
PROPANE	5000 µg/g	ND	0.089/46.88	PASS
TOLUENE	890 µg/g	< LOQ	0.024/46.88	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.051/0.4688	PASS
O-XYLENE		ND	0.034/23.44	N/A
P- AND M-XYLENE		ND	0.034/23.44	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

**BCL-020: HEAVY METAL TESTING BY ICP-MS // NOV 21, 2020**

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 // NOV 19, 2020**

ANALYTE	LIMIT	AMT (%)	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-11: MYCOTOXIN TESTING BY LC-MS/MS // NOV 21, 2020**

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 // NOV 20, 2020**

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

