

CERTIFICATE OF ANALYSIS

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

PRODUCED: DEC 27, 2022

SAMPLE: CR+ BROAD SPECTRUM TINCTURES-SLEEP SWEET MINT (TINCTURE) // CLIENT: CANNA RIVER // BATCH: PASS



BATCH ID: CRA222012-03
MATRIX: TINCTURE
DENSITY: 0.9527 g/ml
CATEGORY: OTHER
SAMPLE ID: 2RL-221222-013
COLLECTED ON: DEC 22, 2022
RECEIVED ON: DEC 22, 2022
BATCH/SAMPLE SIZE: 60 ML / 12000 ML
RECEIVED BY: TIANA BEECHAM
PACKAGE SIZE: 60 ML

CANNABINOID OVERVIEW

TOTAL THC:	0 mg/pkg
TOTAL CBD:	4811.9 mg/pkg
TOTAL CANNABINOIDS:	7872.35 mg/pkg
SUM OF CANNABINOIDS:	7872.35 mg/pkg

BATCH RESULT: PASS

POTENCY	PASS	MYCOTOXINS	PASS
FOREIGN	PASS	PESTICIDES	PASS
METALS	PASS	SOLVENTS	PASS
MICROBIAL	PASS		

M-024: POTENCY BY HPLC // DEC 23, 2022

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/ml)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/ml)	PASS/FAIL
CBC	0.173 %	1.65 mg/ml	0.087/0.244	N/A		THCA		ND	ND	0.102/0.244	N/A
CBCA	ND	ND	0.114/0.244	N/A		THCV	< 1 mg/ml	< 1 mg/ml	0.083/0.244	N/A	N/A
CBD	8.418 %	80.20 mg/ml	0.099/0.244	N/A		THCVA		ND	ND	0.084/0.244	N/A
CBDA	ND	ND	0.047/0.244	N/A		TOTAL THC**		ND	ND		N/A
CBDV	0.033 %	0.31 mg/ml	0.056/0.244	N/A		TOTAL CBD**	8.418 %	80.20 mg/ml			N/A
CBDVA	ND	ND	0.053/0.244	N/A		CBD/PKG	4811.90	(96.24 % OF LABEL)			N/A
CBG	0.133 %	1.27 mg/ml	0.104/0.244	N/A		CBN/PKG	2866.67	(114.67 % OF LABEL)			N/A
CBGA	ND	ND	0.090/0.244	N/A		Δ ⁹ -THC/PKG	ND				PASS
CBN	5.015 %	47.78 mg/ml	0.029/0.244	N/A		TOTAL	ND				N/A
Δ ⁸ -THC	ND	ND	0.129/0.244	N/A		THC/PKG**					N/A
Δ ⁹ -THC	ND	ND	0.082/0.244	N/A		TOTAL	4811.897				N/A
						CBD/PKG**	mg				N/A

** TOTAL THC = DELTA-8-THC + (DELTA-8-THCA X 0.877) + DELTA-9-THC + (THCA X 0.877)

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



M-026A: PESTICIDES BY LC-MS/MS // DEC 26, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.3 µg/g	ND	0.010/0.040	PASS	FLUDIOXONIL	30 µg/g	ND	0.004/0.010	PASS
ACEPHATE	5 µg/g	ND	0.010/0.020	PASS	HEXYTHIAZOX	2 µg/g	ND	0.010/0.030	PASS
ACEQUINOCYL	4 µg/g	ND	0.010/0.020	PASS	IMAZALIL	Any amt	ND	0.010/0.020	PASS
ACETAMIPRID	5 µg/g	ND	0.010/0.030	PASS	IMIDACLOPRID	3 µg/g	ND	0.010/0.020	PASS
ALDICARB	Any amt	ND	0.010/0.040	PASS	KRESOXIM-METHYL	1 µg/g	ND	0.010/0.020	PASS
AZOXYSTROBIN	40 µg/g	ND	0.010/0.030	PASS	MALATHION	5 µg/g	ND	0.010/0.040	PASS
BIFENAZATE	5 µg/g	ND	0.010/0.030	PASS	METALAXYL	15 µg/g	ND	0.010/0.040	PASS
BIFENTHRIN	0.5 µg/g	ND	0.010/0.020	PASS	METHIOCARB	Any amt	ND	0.010/0.030	PASS
BOSCALID	10 µg/g	ND	0.010/0.030	PASS	METHOMYL	0.1 µg/g	ND	0.005/0.020	PASS
CAPTAN	5 µg/g	ND	0.700/0.230	PASS	METHYL PARATHION	Any amt	ND	0.010/0.040	PASS
CARBARYL	0.5 µg/g	ND	0.010/0.030	PASS	MEVINPHOS	Any amt	ND	0.010/0.030	PASS
CARBOFURAN	Any amt	ND	0.010/0.020	PASS	MYCLOBUTANIL	9 µg/g	ND	0.010/0.020	PASS
CHLORANTRANIL-IPROLE	40 µg/g	ND	0.010/0.040	PASS	NALED	0.5 µg/g	ND	0.010/0.030	PASS
CHLORDANE	Any amt	ND	0.010/0.040	PASS	OXAMYL	0.2 µg/g	ND	0.004/0.010	PASS
CHLORFENAPYR	Any amt	ND	0.020/0.050	PASS	PACLOBUTRAZOL	Any amt	ND	0.010/0.030	PASS
CHLORPYRIFOS	Any amt	ND	0.010/0.030	PASS	PENTACHLORONI-TROBENZENE	0.2 µg/g	ND	0.010/0.030	PASS
CLOFENTEZINE	0.5 µg/g	ND	0.010/0.030	PASS	PERMETHRIN	20 µg/g	ND	0.010/0.020	PASS
COUMAPHOS	Any amt	ND	0.010/0.020	PASS	PHOSMET	0.2 µg/g	ND	0.010/0.040	PASS
CYFLUTHRIN	1 µg/g	ND	0.010/0.100	PASS	PIPERONYLBUTOXIDE	8 µg/g	ND	0.010/0.020	PASS
CYPERMETHRIN	1 µg/g	ND	0.010/0.050	PASS	PRALLETHRIN	0.4 µg/g	ND	0.010/0.030	PASS
DAMINOZIDE	Any amt	ND	0.003/0.010	PASS	PROPICONAZOLE	20 µg/g	ND	0.010/0.020	PASS
DIAZINON	0.2 µg/g	ND	0.005/0.020	PASS	PROPOXUR	Any amt	ND	0.010/0.020	PASS
DICHLORVOS	Any amt	ND	0.010/0.020	PASS	PYRETHRINS	1 µg/g	ND	0.010/0.030	PASS
DIMETHOATE	Any amt	ND	0.010/0.030	PASS	PYRIDABEN	3 µg/g	ND	0.010/0.030	PASS
DIMETHOMORPH	20 µg/g	ND	0.010/0.030	PASS	SPINETORAM	3 µg/g	ND	0.020/0.070	PASS
ETHOPROPHOS	Any amt	ND	0.004/0.010	PASS	SPINOSAD	3 µg/g	ND	0.010/0.040	PASS
ETOFENPROX	Any amt	ND	0.010/0.020	PASS	SPIROMESIFEN	12 µg/g	ND	0.010/0.020	PASS
ETOXAZOLE	1.5 µg/g	ND	0.010/0.020	PASS	SPIROTETRAMAT	13 µg/g	ND	0.010/0.020	PASS
FENHEXAMID	10 µg/g	ND	0.010/0.020	PASS	SPIROXAMINE	Any amt	ND	0.010/0.040	PASS
FENOXYCARB	Any amt	ND	0.004/0.010	PASS	TEBUCONAZOLE	2 µg/g	ND	0.010/0.020	PASS
FENPYROXIMATE	2 µg/g	ND	0.010/0.030	PASS	THIACLOPRID	Any amt	ND	0.004/0.010	PASS
FIPRONIL	Any amt	ND	0.010/0.020	PASS	THIAMETHOXAM	4.5 µg/g	ND	0.004/0.010	PASS
FLONICAMID	2 µg/g	ND	0.005/0.010	PASS	TRIFLOXYSTROBIN	30 µg/g	ND	0.010/0.040	PASS

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M-055, M-056: MICROBIOLOGICAL CONTAMINANTS BY QPCR // DEC 23, 2022

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

ANALYTE	LIMIT	AMT (CFU)	PASS/FAIL
SHIGA TOXIN-PRODUCING E. COLI	Any amt in 1 gram	ND	PASS

M-026B: MYCOTOXINS BY LC-MS/MS // DEC 26, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	2.000/10.000	N/A
AFLATOXIN B2		ND	4.000/10.000	N/A
AFLATOXIN G1		ND	5.000/10.000	N/A

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN G2		ND	3.000/10.000	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	5.000/20.000	PASS

M-053: HEAVY METALS BY ICP-MS // DEC 26, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	1.5 µg/g	ND	0.030/0.090	PASS
CADMIUM	0.5 µg/g	ND	0.030/0.090	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
LEAD	0.5 µg/g	ND	0.020/0.070	PASS
MERCURY	3 µg/g	ND	0.030/0.090	PASS

M-032: FOREIGN MATERIAL (VISUAL INSPECTION) // DEC 22, 2022

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

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOLD	25 %	ND	PASS
SAND, SOIL, CINDERS, DIRT	25 %	ND	PASS

M-028: RESIDUAL SOLVENTS BY GC-MS // DEC 22, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.230/0.700	PASS
ACETONE	5000 µg/g	ND	15.730/47.670	PASS
ACETONITRILE	410 µg/g	ND	36.250/109.860	PASS
BENZENE	1 µg/g	ND	0.120/0.370	PASS
BUTANE	5000 µg/g	ND	9.320/28.240	PASS
CHLOROFORM	1 µg/g	ND	0.190/0.570	PASS
ETHANOL	5000 µg/g	3244.537	30.820/93.400	PASS
ETHYL ACETATE	5000 µg/g	ND	39.550/119.860	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.070/0.210	PASS
ETHYL ETHER	5000 µg/g	ND	25.030/75.850	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
HEPTANE	5000 µg/g	ND	55.610/168.530	PASS
HEXANE	290 µg/g	ND	45.190/136.950	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	29.740/90.130	PASS
METHANOL	3000 µg/g	ND	19.260/58.370	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.030/0.110	PASS
PENTANE	5000 µg/g	ND	10.940/33.150	PASS
PROPANE	5000 µg/g	ND	29.410/89.130	PASS
TOLUENE	890 µg/g	ND	89.410/270.990	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.090/0.270	PASS
TOTAL XYLENES	2170 µg/g	ND	99.490/301.470	PASS



RESULTS CERTIFIED BY: LAB DIRECTOR
AARON STANCIK, TWO RIVER LABS, INC
DEC 27, 2022

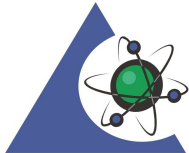
Aaron Stanik

ALL LQC SAMPLES REQUIRED BY SECTION 15730 OF CALIFORNIA CODE OF REGULATIONS TITLE 4 DIVISION 19 DEPARTMENT OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA. MEASUREMENT UNCERTAINTY IS NOT APPLIED TO ANALYTICAL RESULTS OR USED WHEN EVALUATING STATE ACTION LEVELS. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF 2 RIVER LABS





ISO/IEC 17025:2017



PJLA
Testing

Accreditation #105176

ILAC ACCREDITED, PJLA ACCREDITED**M-026A: PESTICIDES BY LC-MS/MS**

ABAMECTIN, ACEPHATE, ACEQUINOCYL, ACETAMIPRID, ALDICARB, AZOXYSTROBIN, BIFENAZATE, BIFENTHRIN, BOSCALID, CAPTAN, CARBARYL, CARBOFURAN, CHLORANTRANILIPROLE, CHLORDANE, CHLORFENAPYR, CHLORPYRIFOS, CLOFENTEZINE, COUMAPHOS, CYFLUTHRIN, CYPERMETHRIN, DAMINOZIDE, DIAZINON, DICHLORVOS, DIMETHOATE, DIMETHOMORPH, ETHOPROPHOS, ETOFENPROX, ETOXAZOLE, FENHEXAMID, FENOXYCARB, FENPYROXIMATE, FIPRONIL, FLONICAMID, FLUDIOXONIL, HEXYTHIAZOX, IMAZALIL, IMIDACLOPRID, KRESOXIM-METHYL, MALATHION, METALAXYL, METHIOCARB, METHOMYL, METHYL PARATHION, MEVINPHOS, MYCLOBUTANIL, NALED, OXAMYL, PACLOBUTRAZOL, PENTACHLORONITROBENZENE, PERMETHRIN, PHOSMET, PIPERONYLBUTOXIDE, PRALLETHRIN, PROPICONAZOLE, PROPOXUR, PYRETHRINS, PYRETHRINS PYRETHRIN I, PYRETHRINS PYRETHRIN II, PYRIDABEN, SPINETORAM, SPINETORAM J, SPINETORAM L, SPINOSAD, SPINOSAD A, SPINOSAD D, SPIROMESIFEN, SPIROTETRAMAT, SPIROXAMINE, TEBUCONAZOLE, THIAACLOPRID, THIAMETHOXAM, TRIFLOXYSTROBIN

M-028: RESIDUAL SOLVENTS BY GC-MS

PROPANE, BUTANE, ETHYLENE OXIDE, METHANOL, PENTANE, ETHANOL, ETHYL ETHER, ACETONE, ISOPROPYL ALCOHOL, ACETONITRILE, METHYLENE CHLORIDE, HEXANE, ETHYL ACETATE, CHLOROFORM, BENZENE, 1,2-DICHLOROETHANE, HEPTANE, TRICHLOROETHYLENE, TOLUENE, O- AND P-XYLENE, M-XYLENE, TOTAL XYLENES

M-032: FOREIGN MATERIAL (VISUAL INSPECTION)

CINDERS, DIRT, IMBEDDED FOREIGN MATERIAL, INSECT FRAGMENTS, INSECT FRAGMENTS, HAIR, MAMMAL EXCREMENT, MAMMAL EXCREMENT, MOLD, RODENT HAIR, SAND, SAND, SOIL, CINDERS, DIRT, SOIL

M-024: POTENCY BY HPLC

CBDVA, CBDV, CBDA, CBGA, CBG, CBD, THCV, THCVA, CBN, CBNA, DELTA-9-THC, DELTA-8-THC, CBL, CBC, THCA, CBCA, CBLA, TOTAL THC, TOTAL CBD, THC: CBD RATIO

M-026B: MYCOTOXINS BY LC-MS/MS

AFLATOXINS, AFLATOXIN B1, AFLATOXIN B2, AFLATOXIN G1, AFLATOXIN G2, OCHRATOXIN A

M-053: HEAVY METALS BY ICP-MS

CADMIUM, LEAD, ARSENIC, MERCURY

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