

# CERTIFICATE OF ANALYSIS

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

PRODUCED: DEC 27, 2022

SAMPLE: CR+ BROAD SPECTRUM TINCTURES- ULTRA CALM MANGO PEACH (TINCTURE) // CLIENT: CANNA RIVER // BATCH: PASS



**BATCH ID:** CRA221213-03  
**MATRIX:** TINCTURE  
**DENSITY:** 0.9628 g/ml  
**CATEGORY:** OTHER  
**SAMPLE ID:** 2RL-221219-011  
**COLLECTED ON:** DEC 19, 2022  
**RECEIVED ON:** DEC 19, 2022  
**BATCH/SAMPLE SIZE:** 12000 ML / 120 ML  
**RECEIVED BY:** TIANA BEECHAM  
**PACKAGE SIZE:** 120 ML

## CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>0 mg/pkg</b>
<b>TOTAL CBD:</b>	<b>15231.11 mg/pkg</b>
<b>TOTAL CANNABINOIDS:</b>	<b>22100.88 mg/pkg</b>
<b>SUM OF CANNABINOIDS:</b>	<b>22100.88 mg/pkg</b>

## BATCH RESULT: PASS

<b>POTENCY</b>	PASS
<b>METALS</b>	PASS
<b>MICROBIAL</b>	PASS
<b>MYCOTOXINS</b>	PASS
<b>PESTICIDES</b>	PASS
<b>SOLVENTS</b>	PASS

## M-024: POTENCY BY HPLC // DEC 22, 2022

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/ml)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/ml)	PASS/FAIL
CBC	0.280 %	2.70 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	0.026 %	0.25 mg/ml	0.083/0.244	N/A		
CBD	13.183 %	126.93 mg/ml	0.099/0.244	N/A	THCVA		ND	0.084/0.244	N/A		
CBDA	ND	ND	0.047/0.244	N/A	TOTAL THC**		ND	ND	N/A		
CBDV	0.047 %	0.45 mg/ml	0.056/0.244	N/A	TOTAL CBD**	13.183 %	126.93 mg/ml		N/A		
CBDVA	ND	ND	0.053/0.244	N/A	CBD/PKG	15231.11	(101.54 % OF LABEL)		N/A		
CBG	2.721 %	26.20 mg/ml	0.104/0.244	N/A	CBG/PKG	3143.73 mg	(125.75 % OF LABEL)		N/A		
CBGA	ND	ND	0.090/0.244	N/A	CBN/PKG	3318.19 mg	(132.73 % OF LABEL)		N/A		
CBN	2.872 %	27.65 mg/ml	0.029/0.244	N/A	Δ <sup>9</sup> -THC/PKG		ND		PASS		
Δ <sup>8</sup> -THC	ND	ND	0.129/0.244	N/A	TOTAL		ND		N/A		
Δ <sup>9</sup> -THC	ND	ND	0.082/0.244	N/A	THC/PKG**				N/A		
					TOTAL	15231.111			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 21, 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	< LOQ	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
CHLORANTRIL-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	PIPERONYLBUTO-XIDE	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	TRIFLOXYSTROB-IN	30 µg/g	ND	0.010/0.040	PASS

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**M-055, M-056: MICROBIOLOGICAL CONTAMINANTS BY QPCR // DEC 20, 2022**

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

**M-026B: MYCOTOXINS BY LC-MS/MS // DEC 21, 2022**

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	2.000/10.000	N/A	AFLATOXIN G2		ND	3.000/10.000	N/A
AFLATOXIN B2		ND	4.000/10.000	N/A	AFLATOXINS	20 µg/kg	ND		PASS
AFLATOXIN G1		ND	5.000/10.000	N/A	OCHRATOXIN A	20 µg/kg	ND	5.000/20.000	PASS

**M-053: HEAVY METALS BY ICP-MS // DEC 20, 2022**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	1.5 µg/g	ND	0.030/0.090	PASS	LEAD	0.5 µg/g	ND	0.020/0.070	PASS
CADMIUM	0.5 µg/g	ND	0.030/0.090	PASS	MERCURY	3 µg/g	ND	0.030/0.090	PASS

**M-028: RESIDUAL SOLVENTS BY GC-MS // DEC 20, 2022**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.230/0.700	PASS	HEPTANE	5000 µg/g	ND	55.610/168.530	PASS
ACETONE	5000 µg/g	202.091	15.730/47.670	PASS	HEXANE	290 µg/g	ND	45.190/136.950	PASS
ACETONITRILE	410 µg/g	ND	36.250/109.860	PASS	ISOPROPYL ALCOHOL	5000 µg/g	ND	29.740/90.130	PASS
BENZENE	1 µg/g	ND	0.120/0.370	PASS	METHANOL	3000 µg/g	ND	19.260/58.370	PASS
BUTANE	5000 µg/g	ND	9.320/28.240	PASS	METHYLENE CHLORIDE	1 µg/g	ND	0.030/0.110	PASS
CHLOROFORM	1 µg/g	ND	0.190/0.570	PASS	PENTANE	5000 µg/g	ND	10.940/33.150	PASS
ETHANOL	5000 µg/g	3562.357	30.820/93.400	PASS	PROPANE	5000 µg/g	ND	29.410/89.130	PASS
ETHYL ACETATE	5000 µg/g	2148.669	39.550/119.860	PASS	TOLUENE	890 µg/g	ND	89.410/270.990	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.070/0.210	PASS	TRICHLOROETHYLENE	1 µg/g	ND	0.090/0.270	PASS
ETHYL ETHER	5000 µg/g	ND	25.030/75.850	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

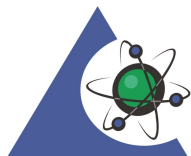
*Aaron Stanik*

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

**ACCREDITATIONS**



ISO/IEC 17025:2017



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, THIACTOPRID, 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-024: POTENCY BY HPLC**

CBDVA, CBDV, CBDA, CBGA, CBG, CBD, THC, THCV, THCA, CBN, CBNA, DELTA-9-THC, DELTA-8-THC, CBL, CBC, THCA, CBGA, CBDA, 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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