

CERTIFICATE OF ANALYSIS

PRODUCED: FEB 13, 2024

SAMPLE: ZEREALZ (FLOWER) // CLIENT: HYPEEREON CORPORATION(EMBER VALLEY) // BATCH: PASS



BATCH ID: EV0697
METRC SOURCE UID: 1A4060300004DC1000004293
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: 2RL-240202-052
COLLECTED ON: FEB 02, 2024
RECEIVED ON: FEB 02, 2024
BATCH/SAMPLE SIZE: 19502 G / 69.3 G
SAMPLED BY: TERRANCE BOWENS
RECEIVED BY: ALFRED VAN MYERS

CANNABINOID OVERVIEW	
TOTAL THC:	22.1 %
TOTAL CBD:	0.0594 %
TOTAL CANNABINOIDS:	22.3 %
SUM OF CANNABINOIDS:	25.2947 %

CULTIVATOR INFO

CULTIVATOR
 SHASTA GROWERS LLC
 3410 BRONZE CT
 SHASTA LAKE, CA 96019

LICENSE
 CCL18-0000059
 ADULT-USE - CULTIVATOR LICENSE

DISTRIBUTOR INFO

DISTRIBUTOR
 HYPEEREON CORPORATION
 8 LIGHT SKY CT
 SACRAMENTO, CALIFORNIA 95828

LICENSE
 C11-0000936-LIC
 ADULT-USE - DISTRIBUTOR LICENSE

BATCH RESULT: PASS

POTENCY	TESTED	MYCOTOXINS	PASS
FOREIGN	PASS	PESTICIDES	PASS
METALS	PASS	TERPENES	TESTED
MICROBIAL	PASS	WATER	PASS
MOISTURE	TESTED		

M-024: POTENCY BY HPLC // FEB 05, 2024

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC		ND	ND	0.0130/0.0500	N/A
CBD		ND	ND	0.00700/0.0500	N/A
CBDA	0.0677 %	0.677 mg/g	0.00300/0.0500		N/A
CBG	0.140 %	1.40 mg/g	0.00800/0.0500		N/A
CBN		ND	ND	0.0100/0.0500	N/A
Δ ⁸ -THC		ND	ND	0.0140/0.0500	N/A

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
Δ ⁹ -THC		0.487 %	4.87 mg/g	0.0110/0.0500	N/A
THCA		24.6 %	246 mg/g	0.00900/0.0500	N/A
THCV		ND	ND	0.0150/0.0500	N/A
TOTAL THC**		22.1 %	221 mg/g		N/A
TOTAL CBD**		0.0594 %	0.594 mg/g		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)
 DRY-WEIGHT AMOUNTS SHOWN

M-025S: TERPENES BY GC-FID // FEB 06, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	2.09 %	20.9 mg/g		N/A
β-MYRCENE	0.615 %	6.15 mg/g	0.128/0.384	N/A
β-CARYOPHYLLENE	0.553 %	5.53 mg/g	0.128/0.384	N/A
D-LIMONENE	0.237 %	2.37 mg/g	0.128/0.384	N/A
LINALOOL	0.203 %	2.03 mg/g	0.128/0.384	N/A
TRANS-NEROLIDOL	0.188 %	1.88 mg/g	0.0769/0.231	N/A
α-HUMULENE	0.166 %	1.66 mg/g	0.128/0.384	N/A
β-PINENE	0.0654 %	0.654 mg/g	0.128/0.384	N/A
α-BISABOLOL	0.0630 %	0.630 mg/g	0.128/0.384	N/A
α-PINENE	< LOQ	< LOQ	0.128/0.384	N/A
CAMPHENE	< LOQ	< LOQ	0.128/0.384	N/A
CARYOPHYLLENE OXIDE	< LOQ	< LOQ	0.128/0.384	N/A

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
GERANIOL	< LOQ	< LOQ	0.128/0.384	N/A
α-TERPINENE	ND	ND	0.128/0.384	N/A
CIS-NEROLIDOL	ND	ND	0.0513/0.154	N/A
CIS-OCIMENE	ND	ND	0.0359/0.108	N/A
Δ ³ -CARENE	ND	ND	0.128/0.384	N/A
EUCALYPTOL	ND	ND	0.128/0.384	N/A
γ-TERPINENE	ND	ND	0.128/0.384	N/A
GUAIOL	ND	ND	0.128/0.384	N/A
ISOPULEGOL	ND	ND	0.128/0.384	N/A
P-CYME	ND	ND	0.128/0.384	N/A
TERPINOLENE	ND	ND	0.128/0.384	N/A
TRANS-OCIMENE	ND	ND	0.0923/0.277	N/A



M-026A: PESTICIDES BY LC-MS/MS // FEB 07, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.0117/0.0429	PASS	FLUDIOXONIL	0.1 µg/g	ND	0.0263/0.0967	PASS
ACEPHATE	0.1 µg/g	ND	0.0231/0.0851	PASS	HEXYTHIAZOX	0.1 µg/g	ND	0.0203/0.0746	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.0265/0.0975	PASS	IMAZALIL	Any amt	ND	0.0195/0.0718	PASS
ACETAMIPRID	0.1 µg/g	ND	0.0128/0.0470	PASS	IMIDACLOPRID	5 µg/g	ND	0.0183/0.0673	PASS
ALDICARB	Any amt	ND	0.0251/0.0924	PASS	KRESOXIM-METHYL	0.1 µg/g	ND	0.0100/0.0368	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.0212/0.0779	PASS	MALATHION	0.5 µg/g	ND	0.0262/0.0965	PASS
BIFENAZATE	0.1 µg/g	ND	0.0251/0.0923	PASS	METALAXYL	2 µg/g	ND	0.0168/0.0620	PASS
BIFENTHRIN	3 µg/g	ND	0.0268/0.0985	PASS	METHIOCARB	Any amt	ND	0.0205/0.0755	PASS
BOSCALID	0.1 µg/g	ND	0.0233/0.0858	PASS	METHOMYL	1 µg/g	ND	0.0174/0.0642	PASS
CAPTAN	0.7 µg/g	ND	0.185/0.680	PASS	METHYL PARATHION	Any amt	ND	0.0157/0.0577	PASS
CARBARYL	0.5 µg/g	ND	0.0172/0.0632	PASS	MEVINPHOS	Any amt	ND	0.0222/0.0818	PASS
CARBOFURAN	Any amt	ND	0.0264/0.0973	PASS	MYCLOBUTANIL	0.1 µg/g	ND	0.0189/0.0697	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.0191/0.0703	PASS	NALED	0.1 µg/g	ND	0.0237/0.0872	PASS
CHLORDANE	Any amt	ND	0.0260/0.0956	PASS	OXAMYL	0.5 µg/g	ND	0.0230/0.0846	PASS
CHLORFENAPYR	Any amt	ND	0.0215/0.0792	PASS	PACLOBUTRAZOL	Any amt	ND	0.0199/0.0733	PASS
CHLORPYRIFOS	Any amt	ND	0.0227/0.0836	PASS	PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.0249/0.0916	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.0125/0.0461	PASS	PERMETHRIN	0.5 µg/g	ND	0.0230/0.0845	PASS
COUMAPHOS	Any amt	ND	0.0242/0.0892	PASS	PHOSMET	0.1 µg/g	ND	0.0165/0.0605	PASS
CYFLUTHRIN	2 µg/g	ND	0.0244/0.0896	PASS	PIPERONYLBUTOXIDE	3 µg/g	ND	0.0163/0.0601	PASS
CYPERMETHRIN	1 µg/g	ND	0.0263/0.0968	PASS	PRALLETHRIN	0.1 µg/g	ND	0.0268/0.0985	PASS
DAMINOZIDE	Any amt	ND	0.0256/0.0943	PASS	PROPICONAZOLE	0.1 µg/g	ND	0.0178/0.0656	PASS
DIAZINON	0.1 µg/g	ND	0.00890/0.0329	PASS	PROPOXUR	Any amt	ND	0.0201/0.0740	PASS
DICHLORVOS	Any amt	ND	0.0202/0.0744	PASS	PYRETHRINS	0.5 µg/g	ND	0.0231/0.0848	PASS
DIMETHOATE	Any amt	ND	0.0237/0.0871	PASS	PYRIDABEN	0.1 µg/g	ND	0.0158/0.0580	PASS
DIMETHOMORPH	2 µg/g	ND	0.0129/0.0474	PASS	SPINETORAM	0.1 µg/g	ND	0.0226/0.0831	PASS
ETHOPROPHOS	Any amt	ND	0.0201/0.0741	PASS	SPINOSAD	0.1 µg/g	ND	0.0269/0.0991	PASS
ETOFENPROX	Any amt	ND	0.0240/0.0882	PASS	SPIROMESIFEN	0.1 µg/g	ND	0.0269/0.0991	PASS
ETOXAZOLE	0.1 µg/g	ND	0.0120/0.0441	PASS	SPIROTETRAMAT	0.1 µg/g	ND	0.0191/0.0703	PASS
FENHEXAMID	0.1 µg/g	ND	0.0264/0.0972	PASS	SPIROXAMINE	Any amt	ND	0.0201/0.0738	PASS
FENOXYCARB	Any amt	ND	0.0197/0.0724	PASS	TEBUCONAZOLE	0.1 µg/g	ND	0.0252/0.0927	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.0252/0.0928	PASS	THIACLOPRID	Any amt	ND	0.0206/0.0759	PASS
FIPRONIL	Any amt	ND	0.0245/0.0902	PASS	THIAMETHOXAM	5 µg/g	ND	0.0117/0.0431	PASS
FLONICAMID	0.1 µg/g	ND	0.0242/0.0891	PASS	TRIFLOXYSTROBIN	0.1 µg/g	ND	0.0127/0.0466	PASS

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M-018: MOISTURE ANALYSIS // FEB 05, 2024

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		12.1	N/A

M-055, M-056: MICROBIOLOGICAL CONTAMINANTS BY QPCR // FEB 05, 2024

ANALYTE	LIMIT	AMT (CFU)	PASS/FAIL	ANALYTE	LIMIT	AMT (CFU)	PASS/FAIL
ASPERGILLUS FLAVUS	Any amt in 1 gram	ND	PASS	ASPERGILLUS TERREUS	Any amt in 1 gram	ND	PASS
ASPERGILLUS FUMIGATUS	Any amt in 1 gram	ND	PASS	SALMONELLA SPP.	Any amt in 1 gram	ND	PASS
ASPERGILLUS NIGER	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 // FEB 07, 2024

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	0.850/3.12	N/A	AFLATOXIN G2		ND	1.61/5.91	N/A
AFLATOXIN B2		ND	1.00/3.67	N/A	AFLATOXINS	20 µg/kg	ND		PASS
AFLATOXIN G1		ND	0.990/3.65	N/A	OCHRATOXIN A	20 µg/kg	ND	3.91/14.4	PASS

M-053: HEAVY METALS BY ICP-MS // FEB 05, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	0.2 µg/g	ND	0.0190/0.0600	PASS	LEAD	0.5 µg/g	ND	0.0160/0.0520	PASS
CADMIUM	0.2 µg/g	ND	0.0170/0.0540	PASS	MERCURY	0.1 µg/g	ND	0.00300/0.00900	PASS

M-066: WATER ACTIVITY BY AQUALAB 3 // FEB 04, 2024

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.447	PASS

M-032: FOREIGN MATERIAL (VISUAL INSPECTION) // FEB 04, 2024

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



RESULTS CERTIFIED BY: LAB DIRECTOR
AARON STANCIK, TWO RIVER LABS, INC
FEB 13, 2024

Aaron Stancik

THE RESULTS PROVIDED IN THIS REPORT ARE ONLY REPRESENTATIVE OF THE SAMPLE TESTED. 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

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ACCREDITATIONS

**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-025S: TERPENES BY GC-FID

CAMPHENE, CARYOPHYLLENE OXIDE, DELTA-3-CARENE, EUCALYPTOL, GERANIOL, GUAJOL, ISOPULEGOL, LINALOOL, TERPINOLENE, TOTAL TERPENES, ALPHA-BISABOLOL, ALPHA-HUMULENE, ALPHA-OCIMENE, ALPHA-PINENE, ALPHA-TERPINENE, BETA-CARYOPHYLLENE, BETA-MYRCENE, BETA-OCIMENE, BETA-PINENE, CIS-NEROLIDOL, CIS-OCIMENE, D-LIMONENE, GAMMA-TERPINENE, P-CYME, TRANS-NEROLIDOL, TRANS-OCIMENE

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

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

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

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

M-053: HEAVY METALS BY ICP-MS

ARSENIC, CADMIUM, LEAD, MERCURY

M-066: WATER ACTIVITY BY AQUALAB 3

WATER ACTIVITY

M-018: MOISTURE ANALYSIS

MOISTURE

