



CERTIFICATE OF ANALYSIS

PRODUCED: JUL 27, 2023

SAMPLE: 1G PREROLL - GRAPE GAS (GGS) (PRE-ROLL) // CLIENT: JSCA, INC. (2RL) // BATCH: PASS



BATCH ID: PR-GGS-071123
METRC SRC UID: 1A406030000659C000001312
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: 2RL-230725-010
COLLECTED ON: JUL 25, 2023
RECEIVED ON: JUL 25, 2023
BATCH/SAMPLE SIZE: 3500 UNITS / 20 UNITS
SAMPLED BY: TERRANCE BOWENS
RECEIVED BY: ALFRED VAN MYERS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW	
TOTAL THC:	32.1 %
TOTAL CBD:	0.0492 %
TOTAL CANNABINOIDS:	33.7 %
SUM OF CANNABINOIDS:	38.0811 %

MANUFACTURER INFO

MANUFACTURER
 JSCA INC.
 910 N. MOUNT SHASTA BLVD.
 MT. SHASTA, CA 96067

LICENSE
 C12-0000239-LIC
 ADULT-USE - MICROBUSINESS LICENSE

DISTRIBUTOR INFO

DISTRIBUTOR
 JSCA INC.
 910 N. MOUNT SHASTA BLVD.
 MT. SHASTA, CA 96067

LICENSE
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BATCH RESULT: PASS

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

M-024: POTENCY BY HPLC // JUL 27, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC		ND	ND	0.160/0.450	N/A	Δ ⁹ -THC		2.09 %	20.9 mg/g	0.151/0.450	N/A
CBCA	0.214 %	2.14 mg/g	2.14 mg/g	0.210/0.450	N/A	THCA		34.2 %	342 mg/g	0.188/0.450	N/A
CBD	ND	ND	ND	0.182/0.450	N/A	THCV		ND	ND	0.153/0.450	N/A
CBDA	0.0561 %	0.561 mg/g	0.561 mg/g	0.0866/0.450	N/A	THCVA		0.148 %	1.48 mg/g	0.155/0.450	N/A
CBDV	ND	ND	ND	0.103/0.450	N/A	TOTAL THC**		32.1 %	321 mg/g		N/A
CBDA	ND	ND	ND	0.0976/0.450	N/A	TOTAL CBD**		0.0492 %	0.492 mg/g		N/A
CBG	0.333 %	3.33 mg/g	3.33 mg/g	0.192/0.450	N/A	CBD/PKG		ND	ND		N/A
CBGA	1.04 %	10.4 mg/g	10.4 mg/g	0.166/0.450	N/A	Δ ⁹ -THC/PKG		20.9 mg	20.9 mg		N/A
CBN	ND	ND	ND	0.0534/0.450	N/A	TOTAL THC/PKG**		321 mg	321 mg		N/A
Δ ⁹ -THC	ND	ND	ND	0.238/0.450	N/A	TOTAL CBD/PKG**		0.492 mg	0.492 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)
 DRY-WEIGHT AMOUNTS SHOWN

M-025S: TERPENES BY GC-FID // JUL 27, 2023

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL	ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.562 %	5.62 mg/g		N/A	β-PINENE	ND	ND	0.125/0.376	N/A
β-CARYOPHYLLENE	0.249 %	2.49 mg/g	0.125/0.376	N/A	CAMPHENE	ND	ND	0.125/0.376	N/A
LINALOOL	0.222 %	2.22 mg/g	0.125/0.376	N/A	CIS-NEROLIDOL	ND	ND	0.0501/0.150	N/A
α-HUMULENE	0.0911 %	0.911 mg/g	0.125/0.376	N/A	Δ ³ -CARENE	ND	ND	0.125/0.376	N/A
α-BISABOLOL	< LOQ	< LOQ	0.125/0.376	N/A	EUCALYPTOL	ND	ND	0.125/0.376	N/A
β-MYRCENE	< LOQ	< LOQ	0.125/0.376	N/A	γ-TERPINENE	ND	ND	0.125/0.376	N/A
CARYOPHYLLENE OXIDE	< LOQ	< LOQ	0.125/0.376	N/A	GUAIOL	ND	ND	0.125/0.376	N/A
D-LIMONENE	< LOQ	< LOQ	0.125/0.376	N/A	ISOPULEGOL	ND	ND	0.125/0.376	N/A
GERANIOL	< LOQ	< LOQ	0.125/0.376	N/A	P-CYMELE	ND	ND	0.125/0.376	N/A
α-PINENE	ND	ND	0.125/0.376	N/A	TERPINOLENE	ND	ND	0.125/0.376	N/A
α-TERPINENE	ND	ND	0.125/0.376	N/A	TRANS-NEROLIDOL	ND	ND	0.0752/0.226	N/A



M-026A: PESTICIDES BY LC-MS/MS // JUL 27, 2023

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	0.0100/0.0400	PASS	FLUDIOXONIL	0.1 µg/g	ND	0.00400/0.0100	PASS
ACEPHATE	0.1 µg/g	ND	0.0100/0.0200	PASS	HEXYTHIAZOX	0.1 µg/g	ND	0.0100/0.0300	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.0100/0.0200	PASS	IMAZALIL	Any amt	ND	0.0100/0.0200	PASS
ACETAMIPRID	0.1 µg/g	ND	0.0100/0.0300	PASS	IMIDACLOPRID	5 µg/g	ND	0.0100/0.0200	PASS
ALDICARB	Any amt	ND	0.0100/0.0400	PASS	KRESOXIM-METHYL	0.1 µg/g	ND	0.0100/0.0200	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.0100/0.0300	PASS	MALATHION	0.5 µg/g	ND	0.0100/0.0400	PASS
BIFENAZATE	0.1 µg/g	ND	0.0100/0.0300	PASS	METALAXYL	2 µg/g	ND	0.0100/0.0400	PASS
BIFENTHRIN	3 µg/g	ND	0.0100/0.0200	PASS	METHIOCARB	Any amt	ND	0.0100/0.0300	PASS
BOSCALID	0.1 µg/g	ND	0.0100/0.0300	PASS	METHOMYL	1 µg/g	ND	0.00500/0.0200	PASS
CAPTAN	0.7 µg/g	ND	0.700/0.230	PASS	METHYL PARATHION	Any amt	ND	0.0100/0.0400	PASS
CARBARYL	0.5 µg/g	ND	0.0100/0.0300	PASS	MEVINPHOS	Any amt	ND	0.0100/0.0300	PASS
CARBOFURAN	Any amt	ND	0.0100/0.0200	PASS	MYCLOBUTANIL	0.1 µg/g	ND	0.0100/0.0200	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.0100/0.0400	PASS	NALED	0.1 µg/g	ND	0.0100/0.0300	PASS
CHLORDANE	Any amt	ND	0.0100/0.0400	PASS	OXAMYL	0.5 µg/g	ND	0.00400/0.0100	PASS
CHLORFENAPYR	Any amt	ND	0.0200/0.0500	PASS	PACLOBUTRAZOL	Any amt	ND	0.0100/0.0300	PASS
CHLORPYRIFOS	Any amt	ND	0.0100/0.0300	PASS	PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.0100/0.0300	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.0100/0.0300	PASS	PERMETHRIN	0.5 µg/g	ND	0.0100/0.0200	PASS
COUMAPHOS	Any amt	ND	0.0100/0.0200	PASS	PHOSMET	0.1 µg/g	ND	0.0100/0.0400	PASS
CYFLUTHRIN	2 µg/g	ND	0.0100/0.100	PASS	PIPERONYLBUTOXIDE	3 µg/g	ND	0.0100/0.0200	PASS
CYPERMETHRIN	1 µg/g	ND	0.0100/0.0500	PASS	PRALLETHRIN	0.1 µg/g	ND	0.0100/0.0300	PASS
DAMINOZIDE	Any amt	ND	0.00300/0.0100	PASS	PROPICONAZOLE	0.1 µg/g	ND	0.0100/0.0200	PASS
DIAZINON	0.1 µg/g	ND	0.00500/0.0200	PASS	PROPOXUR	Any amt	ND	0.0100/0.0200	PASS
DICHLORVOS	Any amt	ND	0.0100/0.0200	PASS	PYRETHRINS	0.5 µg/g	ND	0.0100/0.0300	PASS
DIMETHOATE	Any amt	ND	0.0100/0.0300	PASS	PYRIDABEN	0.1 µg/g	ND	0.0100/0.0300	PASS
DIMETHOMORPH	2 µg/g	ND	0.0100/0.0300	PASS	SPINETORAM	0.1 µg/g	ND	0.0200/0.0700	PASS
ETHOPROPHOS	Any amt	ND	0.00400/0.0100	PASS	SPINOSAD	0.1 µg/g	ND	0.0100/0.0400	PASS
ETOFENPROX	Any amt	ND	0.0100/0.0200	PASS	SPIROMESIFEN	0.1 µg/g	ND	0.0100/0.0200	PASS
ETOXAZOLE	0.1 µg/g	ND	0.0100/0.0200	PASS	SPIROTETRAMAT	0.1 µg/g	ND	0.0100/0.0200	PASS
FENHEXAMID	0.1 µg/g	ND	0.0100/0.0200	PASS	SPIROXAMINE	Any amt	ND	0.0100/0.0400	PASS
FENOXYCARB	Any amt	ND	0.00400/0.0100	PASS	TEBUCONAZOLE	0.1 µg/g	ND	0.0100/0.0200	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.0100/0.0300	PASS	THIACLOPRID	Any amt	ND	0.00400/0.0100	PASS
FIPRONIL	Any amt	ND	0.0100/0.0200	PASS	THIAMETHOXAM	5 µg/g	ND	0.00400/0.0100	PASS
FLONICAMID	0.1 µg/g	ND	0.00500/0.0100	PASS	TRIFLOXYSTROBIN	0.1 µg/g	ND	0.0100/0.0400	PASS

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M-018: MOISTURE ANALYSIS // JUL 26, 2023

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		11.4	N/A

M-055, M-056: MICROBIOLOGICAL CONTAMINANTS BY QPCR // JUL 27, 2023

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 // JUL 27, 2023

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	2.00/10.0	N/A	AFLATOXIN G2		ND	3.00/10.0	N/A
AFLATOXIN B2		ND	4.00/10.0	N/A	AFLATOXINS	20 µg/kg	ND		PASS
AFLATOXIN G1		ND	5.00/10.0	N/A	OCHRATOXIN A	20 µg/kg	ND	5.00/20.0	PASS

M-053: HEAVY METALS BY ICP-MS // JUL 27, 2023

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	0.0300/0.0900	PASS	LEAD	0.5 µg/g	ND	0.0200/0.0700	PASS
CADMIUM	0.2 µg/g	ND	0.0300/0.0900	PASS	MERCURY	0.1 µg/g	ND	0.0300/0.0900	PASS

M-066: WATER ACTIVITY BY AQUALAB 3 // JUL 26, 2023

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.495	PASS

M-032: FOREIGN MATERIAL (VISUAL INSPECTION) // JUL 25, 2023

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

M-028: RESIDUAL SOLVENTS BY GC-MS // JUL 27, 2023

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	55.6/169	PASS
ACETONE	5000 µg/g	74.5	15.7/47.7	PASS	HEXANE	290 µg/g	ND	45.2/137	PASS
ACETONITRILE	410 µg/g	ND	36.3/110	PASS	ISOPROPYL ALCOHOL	5000 µg/g	ND	29.7/90.1	PASS
BENZENE	1 µg/g	ND	0.120/0.370	PASS	METHANOL	3000 µg/g	668	19.3/58.4	PASS
BUTANE	5000 µg/g	ND	9.32/28.2	PASS	METHYLENE CHLORIDE	1 µg/g	ND	0.0300/0.110	PASS
CHLOROFORM	1 µg/g	ND	0.190/0.570	PASS	PENTANE	5000 µg/g	ND	10.9/33.1	PASS
ETHANOL	5000 µg/g	ND	30.8/93.4	PASS	PROPANE	5000 µg/g	ND	29.4/89.1	PASS
ETHYL ACETATE	5000 µg/g	ND	39.5/120	PASS	TOLUENE	890 µg/g	ND	89.4/271	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.0700/0.210	PASS	TRICHLOROETHYLENE	1 µg/g	ND	0.0900/0.270	PASS
ETHYL ETHER	5000 µg/g	ND	25.0/75.8	PASS	TOTAL XYLENES	2170 µg/g	ND	99.5/301	PASS



RESULTS CERTIFIED BY: LAB DIRECTOR
AARON STANCIK, TWO RIVER LABS, INC
JUL 27, 2023

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

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

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

M-018: MOISTURE ANALYSIS

MOISTURE

M-025S: TERPENES BY GC-FID

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

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-053: HEAVY METALS BY ICP-MS

CADMIUM, LEAD, ARSENIC, MERCURY

M-066: WATER ACTIVITY BY AQUALAB 3

WATER ACTIVITY

