

CERTIFICATE OF ANALYSIS

PRODUCED: DEC 14, 2021

SAMPLE: JENNY KUSH - LIVE ROSIN CARTRIDGE .5G - BULK (CONCENTRATE) // CLIENT: LUME / ATTITUDE WELLNESS // BATCH: PASS



BATCH NO.: 1A4050300009A4D000019386
TEST PKG: 1A4050300009A4D000019434
SRC PKG: 1A4050300009A4D000019386
MATRIX: CONCENTRATE
SAMPLE ID: CAM-211207-060
COLLECTED ON: DEC 07, 2021
RECEIVED ON: DEC 07, 2021
BATCH/SAMPLE SIZE: 1196 UNITS / 16 UNITS
SAMPLED BY: CURTIS BRENGMAN
RECEIVED BY: CURTIS BRENGMAN

CANNABINOID OVERVIEW

Δ⁹-THC:	84.2 %
CBG:	6.28 %
TOTAL CANNABINOIDS:	92.49 %

MANUFACTURER INFO

MANUFACTURER
LUME

LICENSE
AU-P-000122
ADULT-USE - MARIHUANA PROCESSOR

BATCH RESULT: PASS

ADDITIVES	TESTED	MICROBIAL	PASS
POTENCY	PASS	PESTICIDES	PASS
FOREIGN	PASS	TERPENES	TESTED
METALS	PASS		

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // DEC 09, 2021

ANALYTE	LIMIT	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
CBC		1.21 %	0.0517/0.172	N/A	Δ ⁸ -THC	10 %	ND	0.0578/0.193	PASS
CBD		ND	0.109/0.363	N/A	Δ ⁹ -THC		84.2 %	0.102/0.34	N/A
CBDA		ND	0.142/0.474	N/A	THCA		ND	0.0883/0.294	N/A
CBDV		ND	0.0673/0.224	N/A	THCV		0.557 %	0.0699/0.233	N/A
CBG		6.28 %	0.0576/0.192	N/A	TOTAL THC **		84.2 %		N/A
CBGA		0.239 %	0.0328/0.109	N/A	TOTAL CBD **		ND		N/A
CBN		ND	0.0848/0.283	N/A					

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

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

TRP-013: TERPENE ANALYSIS BY GC-MS // DEC 12, 2021

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES *	5.804 %		N/A	γ-TERPINENE	0.010 %	0.5/1	N/A
β-MYRCENE	1.750 %	0.5/1	N/A	CIS-β-OCIMENE	0.009 %	0.5/1	N/A
TRANS-CARYOPHYLLENE	1.550 %	0.5/1	N/A	(+)-FENCHONE	0.007 %	0.5/1	N/A
LIMONENE	1.170 %	0.5/1	N/A	GERANYL ACETATE	ND	0.5/1	N/A
α-HUMULENE	0.453 %	0.5/1	N/A	GUAIOL	ND	0.5/1	N/A
LINALOOL *	0.164 %	0.5/1	N/A	EUCALYPTOL	ND	0.5/1	N/A
α-PINENE	0.153 %	0.5/1	N/A	ISOPULEGOL	ND	0.5/1	N/A
ISOBORNEOL	0.127 %	0.5/1	N/A	CIS-NEROLIDOL	ND	0.5/1	N/A
α-BISABOLOL	0.111 %	0.5/1	N/A	CEDROL	ND	0.5/1	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.101 %	0.5/1	N/A	PULEGONE	ND	0.5/1	N/A
TRANS-NEROLIDOL	0.052 %	0.5/1	N/A	SABINENE	ND	0.5/1	N/A
VALENCENE	0.046 %	0.5/1	N/A	SABINENE HYDRATE	ND	0.5/1	N/A
CAMPHENE	0.032 %	0.5/1	N/A	CARYOPHYLLENE OXIDE	ND	0.5/1	N/A
TERPINOLENE	0.030 %	0.5/1	N/A	CAMPFOR	ND	0.5/1	N/A
TRANS-β-OCIMENE	0.016 %	0.5/1	N/A	β-PINENE	ND	0.5/1	N/A
α-TERPINENE	0.013 %	0.5/1	N/A	α-CEDRENE	ND	0.5/1	N/A
α-PHELLANDRENE	0.010 %	0.5/1	N/A	Δ³-CARENE	ND	0.5/1	N/A

* BEYOND SCOPE OF ACCREDITATION

THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT APPROVAL FROM CAMBIUM ANALYTICA. THE RESULTS HEREIN RELATE ONLY TO THE SAMPLE & BATCH IDENTIFIED IN THIS REPORT.

SAMPLED IN ACCORDANCE TO SMP-SOP-001 // SAMPLING PROCEDURE.

REGULATORY COMPLIANCE TESTING



RESULTS CERTIFIED BY: XIN YAN
LABORATORY DIRECTOR, CAMBIUM ANALYTICA
DEC 14, 2021

Xin Yan

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
DEC 14, 2021

D. Smith



PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // DEC 08, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	69.1/230	PASS
ACEPHATE	0.4 µg/g	ND	16.3/54.3	PASS
ACEQUINOCYL	2 µg/g	ND	28.2/94	PASS
ACETAMIPRID	0.2 µg/g	ND	14.5/48.3	PASS
ALDICARB	0.4 µg/g	ND	42.4/141	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.5/34.9	PASS
BIFENAZATE	0.2 µg/g	ND	25.1/83.6	PASS
BIFENTHRIN	0.2 µg/g	ND	14.6/48.5	PASS
BOSCALID	0.4 µg/g	ND	12.8/41.8	PASS
CARBARYL	0.2 µg/g	ND	12.1/40.3	PASS
CARBOFURAN	0.2 µg/g	ND	10.7/35.6	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	24.6/82	PASS
CHLORFENAPYR	1 µg/g	ND	12/40.3	PASS
CHLORPYRIFOS	0.2 µg/g	ND	24.7/82.4	PASS
CLOFENTEZINE	0.2 µg/g	ND	20.2/67.3	PASS
CYFLUTHRIN	1 µg/g	ND	38.7/129	PASS
CYPERMETHRIN	1 µg/g	ND	27.7/92.5	PASS
DAMINOZIDE	1 µg/g	ND	23.9/79.7	PASS
DIAZINON	0.2 µg/g	ND	18.6/62.1	PASS
DICHLORVOS	1 µg/g	ND	12.6/41.9	PASS
DIMETHOATE	0.2 µg/g	ND	12.3/40.9	PASS
ETHOPROPHOS	0.2 µg/g	ND	19.1/63.7	PASS
ETOFENPROX	0.4 µg/g	ND	14.4/48	PASS
ETOXAZOLE	0.2 µg/g	ND	13.5/45.1	PASS
FENOXYCARB	0.2 µg/g	ND	20/66.7	PASS
FENPYROXIMATE	0.4 µg/g	ND	44/147	PASS
FIPRONIL	0.4 µg/g	ND	45.2/150	PASS
FLONICAMID	1 µg/g	ND	22.2/74.1	PASS
FLUDIOXONIL	0.4 µg/g	ND	11/36.7	PASS
HEXYTHIAZOX	1 µg/g	ND	28.2/94.2	PASS

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // DEC 09, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	6.02/20.2	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
IMAZALIL	0.2 µg/g	ND	15.5/51.7	PASS
IMIDACLOPRID	0.4 µg/g	ND	34/113	PASS
KRESOXIM-METHYL	0.4 µg/g	ND	11.9/39.6	PASS
MALATHION	0.2 µg/g	ND	15.6/52.1	PASS
METALAXYL	0.2 µg/g	ND	17.6/58.6	PASS
METHIOCARB	0.2 µg/g	ND	13.9/46.2	PASS
METHOMYL	0.4 µg/g	ND	9.44/31.5	PASS
MGK-264	0.2 µg/g	ND	19.2/64.1	PASS
MYCLOBUTANIL	0.2 µg/g	ND	19.7/65.8	PASS
NALED	0.5 µg/g	ND	23/76.7	PASS
OXAMYL	1 µg/g	ND	35.3/118	PASS
PACLOBUTRAZOL	0.4 µg/g	ND	36.3/121	PASS
PERMETHRIN	0.2 µg/g	ND	37.8/126	PASS
PHOSMET	0.2 µg/g	ND	23.9/79.8	PASS
PRALLETHRIN	0.2 µg/g	ND	37.2/124	PASS
PROPICONAZOLE	0.4 µg/g	ND	40.5/135	PASS
PROPOXUR	0.2 µg/g	ND	11.6/38.8	PASS
PYRETHRINS	1 µg/g	ND	20.1/66.8	PASS
PYRIDABEN	0.2 µg/g	ND	26.2/87.2	PASS
SPINOSAD	0.2 µg/g	ND	5.9/19.7	PASS
SPINOSAD A		ND	6.39/21.3	N/A
SPINOSAD D		ND	2.41/8.01	N/A
SPIROMESIFEN	0.2 µg/g	ND	14.6/48.8	PASS
SPIROTETRAMAT	0.2 µg/g	ND	35.5/118	PASS
SPIROXAMINE	0.4 µg/g	ND	12.3/41	PASS
TEBUCONAZOLE	0.4 µg/g	ND	37.7/126	PASS
THIACLOPRID	0.2 µg/g	ND	15.5/51.6	PASS
THIAMETHOXAM	0.2 µg/g	ND	13.7/45.7	PASS
TRIFLOXYSTROB-IN	0.2 µg/g	ND	18.8/62.5	PASS



VTE-011: VITAMIN E ACETATE ANALYSIS BY HPLC-DAD // DEC 13, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
VITAMIN E ACETATE	100 µg/g	ND		N/A

COL-027: TOTAL COLIFORMS // DEC 08, 2021

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
COLIFORMS	100 CFU/g	ND	PASS

STEC-030: SHIGA TOXIN PRODUCING E. COLI // DEC 09, 2021

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

SAL-030: SALMONELLA // DEC 09, 2021

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

ASP-029: ASPERGILLUS SPP. // DEC 09, 2021

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP.	Any amount in 1 gram	ND	PASS

TYM-014, TYM-028: TOTAL YEAST AND MOLD // DEC 10, 2021

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	1000 CFU/g	ND	PASS

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // DEC 08, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.2 µg/g	ND	0.0448/0.5	PASS
CADMIUM	0.2 µg/g	ND	0.0256/0.5	PASS
CHROMIUM	0.6 µg/g	0.115 µg/g	0.0274/0.5	PASS
COPPER		0.169 µg/g	0.0446/0.5	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	0.5 µg/g	0.138 µg/g	0.0169/0.5	PASS
MERCURY	0.1 µg/g	< LOQ	0.00439/0.05	PASS
NICKEL	0.5 µg/g	0.133 µg/g	0.0271/0.5	PASS

FOR-07: FOREIGN MATTER ANALYSIS // DEC 08, 2021

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
INORGANIC MATTER	Any amount	ND	PASS
ORGANIC MATTER	2 %	ND	PASS

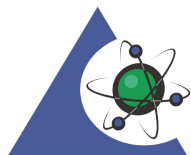
ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	ND	PASS



ACCREDITATIONS



ILAC-MRA



ISO/IEC 17025

ILAC-MRA, PJLA ACCREDITED**PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS**

ABAMECTIN, ABAMECTIN BA, ABAMECTIN BB, ACEPHATE, ACEQUINOCYL, ACETAMIPRID, ALDICARB, AZOXYSTROBIN, BIFENAZATE, BIFENTHRIN, BOSCALID, CARBARYL, CARBOFURAN, CHLORANTRANILIPROLE, CHLORFENAPYR, CHLORPYRIFOS, CLOFENTEZINE, CYFLUTHRIN, CYPERMETHRIN, DAMINOZIDE, DIAZINON, DICHLORVOS, DIMETHOATE, ETHOPROPHOS, ETOFENPROX, ETOXAZOLE, FENOXYCARB, FENPYROXIMATE, FIPRONIL, FLONICAMID, FLUDIOXONIL, HEXYTHIAZOX, IMAZALIL, IMIDACLOPRID, KRESOXIM-METHYL, MGK-264, MALATHION, MALATHION A, METALAXYL, METHIACARB, METHOMYL, METHYL PARATHION, MYCLOBUTANIL, NALED, OXAMYL, PACLOBUTRAZOL, PERMETHRIN, PERMETHRIN CIS, PERMETHRIN TRANS, PHOSMET, PRALLETHRIN, PROPICONAZOLE, PROPOXUR, PYRETHRINS, PYRETHRINS CINERIN I, PYRETHRINS CINERIN I-3, PYRETHRINS JASMOLIN I, PYRETHRINS JASMOLIN I-3, PYRETHRINS PYRETHRIN I, PYRIDABEN, SPINOSAD, SPINOSAD A, SPINOSAD D, SPIROMESIFEN, SPIROTETRAMAT, SPIROXAMINE, TEBUCONAZOLE, THIACTOPRID, THIAMETHOXAM, TRIFLOXYSTROBIN

TRP-013: TERPENE ANALYSIS BY GC-MS

(+)-FENCHONE, (1R)-ENDO-(+)-FENCHYL ALCOHOL, CAMPHENE, CAMPHOR, CARYOPHYLLENE OXIDE, CEDROL, DELTA-3-CARENE, EUCALYPTOL, FENCHOL, GERANIOL, GERANYL ACETATE, GUAIOL, ISOBORNEOL, ISOPULEGOL, LIMONENE, NEROLIDOL, OCIMENE, PHELLANDRENE, PULEGONE, SABINENE, SABINENE HYDRATE, TERPINEOL 3, TERPINOLENE, VALENCENE, ALPHA-BISABOLOL, ALPHA-CEDRENE, ALPHA-HUMULENE, ALPHA-PHELLANDRENE, ALPHA-PINENE, ALPHA-TERPINENE, BETA-MYRCENE, BETA-PINENE, CIS-NEROLIDOL, CIS-BETA-OCIMENE, GAMMA-TERPINENE, TRANS-CARYOPHYLLENE, TRANS-NEROLIDOL, TRANS-BETA-OCIMENE

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD

CBD, CBDA, DELTA-9-THC, THCA, CBDV, THCV, CBG, CBGA, CBN, DELTA-8-THC, CBC, DELTA-8 + DELTA-9-THC, TOTAL CBD, TOTAL THC

MET-05: HEAVY METALS ANALYSIS BY ICP-MS

ARSENIC, CADMIUM, CHROMIUM, COPPER, LEAD, MERCURY, NICKEL

FOR-07: FOREIGN MATTER ANALYSIS

INORGANIC MATTER, ORGANIC MATTER, STEMS

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS

CHLORFENAPYR, METHYL PARATHION

VTE-011: VITAMIN E ACETATE ANALYSIS BY HPLC-DAD

VITAMIN E ACETATE

