

CERTIFICATE OF ANALYSIS

PRODUCED: DEC 13, 2021

SAMPLE: GMO COOKIES-2ND PRESS LIVE ROSIN (CONCENTRATE) // CLIENT: LUME / ATTITUDE WELLNESS // BATCH: PASS



BATCH NO.: 1A4050300009A4D000019428
TEST PKG: 1A4050300009A4D000019436
SRC PKG: 1A4050300009A4D000019428
MATRIX: CONCENTRATE
SAMPLE ID: CAM-211207-063
COLLECTED ON: DEC 07, 2021
RECEIVED ON: DEC 07, 2021
BATCH/SAMPLE SIZE: 194 G / 9.53 G
SAMPLED BY: CURTIS BRENGMAN
RECEIVED BY: CURTIS BRENGMAN

CANNABINOID OVERVIEW

THCA:	73.9 %
CBGA:	5.14 %
TOTAL CANNABINOIDS:	83.5 %

MANUFACTURER INFO

MANUFACTURER
LUME

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

BATCH RESULT: PASS

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

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // DEC 08, 2021

ANALYTE	LIMIT	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
CBC		ND	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		4.12 %	0.102/0.34	N/A
CBDA	0.0310 %		0.142/0.474	N/A	THCA		73.9 %	0.0883/0.294	N/A
CBDV		ND	0.0673/0.224	N/A	THCV		ND	0.0699/0.233	N/A
CBG	0.313 %		0.0576/0.192	N/A	TOTAL THC **		68.9 %		N/A
CBGA	5.14 %		0.0328/0.109	N/A	TOTAL CBD **		0.0272 %		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 *	7.365 %		N/A	(+)-FENCHONE	0.010 %	0.5/1	N/A
TRANS-CARYOPHYLLENE	1.750 %	0.5/1	N/A	γ-TERPINENE	0.009 %	0.5/1	N/A
LIMONENE	1.730 %	0.5/1	N/A	PULEGONE	ND	0.5/1	N/A
β-MYRCENE	1.490 %	0.5/1	N/A	SABINENE	ND	0.5/1	N/A
α-BISABOLOL	0.389 %	0.5/1	N/A	ISOPULEGOL	ND	0.5/1	N/A
ISOBORNEOL	0.333 %	0.5/1	N/A	Δ ³ -CARENE	ND	0.5/1	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.218 %	0.5/1	N/A	GUAIOL	ND	0.5/1	N/A
LINALOOL *	0.181 %	0.5/1	N/A	GERANYL ACETATE	ND	0.5/1	N/A
β-PINENE	0.146 %	0.5/1	N/A	EUCALYPTOL	ND	0.5/1	N/A
TRANS-NEROLIDOL	0.125 %	0.5/1	N/A	CIS-NEROLIDOL	ND	0.5/1	N/A
α-PINENE	0.123 %	0.5/1	N/A	CIS-β-OCIMENE	ND	0.5/1	N/A
α-HUMULENE	0.670 %	0.5/1	N/A	CEDROL	ND	0.5/1	N/A
CARYOPHYLLENE OXIDE	0.098 %	0.5/1	N/A	CAMPOR	ND	0.5/1	N/A
CAMPHERE	0.039 %	0.5/1	N/A	α-TERPINENE	ND	0.5/1	N/A
TERPINOLENE	0.022 %	0.5/1	N/A	α-PHELLANDRENE	ND	0.5/1	N/A
TRANS-β-OCIMENE	0.020 %	0.5/1	N/A	α-CEDRENE	ND	0.5/1	N/A
SABINENE HYDRATE	0.012 %	0.5/1	N/A	VALENCENE	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 13, 2021

Xin Yan

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
DEC 13, 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	140/468	PASS
ACEPHATE	0.4 µg/g	ND	33.1/110	PASS
ACEQUINOCYL	2 µg/g	ND	57.3/191	PASS
ACETAMIPRID	0.2 µg/g	ND	29.4/98.1	PASS
ALDICARB	0.4 µg/g	ND	86.2/287	PASS
AZOXYSTROBIN	0.2 µg/g	ND	21.3/71	PASS
BIFENAZATE	0.2 µg/g	ND	51/170	PASS
BIFENTHRIN	0.2 µg/g	ND	29.6/98.6	PASS
BOSCALID	0.4 µg/g	ND	26/84.9	PASS
CARBARYL	0.2 µg/g	ND	24.5/81.8	PASS
CARBOFURAN	0.2 µg/g	ND	21.7/72.4	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	50/167	PASS
CHLORFENAPYR	1 µg/g	ND	24.5/81.9	PASS
CHLORPYRIFOS	0.2 µg/g	ND	50.2/167	PASS
CLOFENTEZINE	0.2 µg/g	ND	41/137	PASS
CYFLUTHRIN	1 µg/g	ND	78.7/262	PASS
CYPERMETHRIN	1 µg/g	ND	56.3/188	PASS
DAMINOZIDE	1 µg/g	ND	48.6/162	PASS
DIAZINON	0.2 µg/g	ND	37.8/126	PASS
DICHLORVOS	1 µg/g	ND	25.5/85.1	PASS
DIMETHOATE	0.2 µg/g	ND	24.9/83	PASS
ETHOPROPHOS	0.2 µg/g	ND	38.8/129	PASS
ETOFENPROX	0.4 µg/g	ND	29.2/97.4	PASS
ETOXAZOLE	0.2 µg/g	ND	27.5/91.7	PASS
FENOXYCARB	0.2 µg/g	ND	40.6/136	PASS
FENPYROXIMATE	0.4 µg/g	ND	89.4/298	PASS
FIPRONIL	0.4 µg/g	ND	91.7/306	PASS
FLONICAMID	1 µg/g	ND	45.2/151	PASS
FLUDIOXONIL	0.4 µg/g	ND	22.4/74.5	PASS
HEXYTHIAZOX	1 µg/g	ND	57.4/191	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	12.2/40.9	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
IMAZALIL	0.2 µg/g	ND	31.5/105	PASS
IMIDACLOPRID	0.4 µg/g	ND	69/230	PASS
KRESOXIM-METHYL	0.4 µg/g	ND	24.1/80.3	PASS
MALATHION	0.2 µg/g	ND	31.8/106	PASS
METALAXYL	0.2 µg/g	ND	35.7/119	PASS
METHIOCARB	0.2 µg/g	ND	28.2/93.8	PASS
METHOMYL	0.4 µg/g	ND	19.2/64	PASS
MGK-264	0.2 µg/g	ND	39/130	PASS
MYCLOBUTANIL	0.2 µg/g	ND	40.1/134	PASS
NALED	0.5 µg/g	ND	46.7/156	PASS
OXAMYL	1 µg/g	ND	71.6/239	PASS
PACLOBUTRAZOL	0.4 µg/g	ND	73.7/246	PASS
PERMETHRIN	0.2 µg/g	ND	76.8/256	PASS
PHOSMET	0.2 µg/g	ND	48.6/162	PASS
PRALLETHRIN	0.2 µg/g	ND	75.6/252	PASS
PROPICONAZOLE	0.4 µg/g	ND	82.3/274	PASS
PROPOXUR	0.2 µg/g	ND	23.6/78.8	PASS
PYRETHRINS	1 µg/g	ND	40.7/136	PASS
PYRIDABEN	0.2 µg/g	ND	53.1/177	PASS
SPINOSAD	0.2 µg/g	ND	12/40	PASS
SPINOSAD A		ND	13/43.2	N/A
SPINOSAD D		ND	4.89/16.3	N/A
SPIROMESIFEN	0.2 µg/g	ND	29.7/99.1	PASS
SPIROTETRAMAT	0.2 µg/g	ND	72.2/241	PASS
SPIROXAMINE	0.4 µg/g	ND	25/83.2	PASS
TEBUCONAZOLE	0.4 µg/g	ND	76.5/255	PASS
THIACLOPRID	0.2 µg/g	ND	31.5/105	PASS
THIAMETHOXAM	0.2 µg/g	ND	27.9/92.8	PASS
TRIFLOXYSTROB-IN	0.2 µg/g	ND	38.1/127	PASS



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	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.2 µg/g	ND	0.0448/0.5	PASS	LEAD	0.5 µg/g	0.005 µg/g	0.0169/0.5	PASS
CADMIUM	0.2 µg/g	< LOQ	0.0256/0.5	PASS	MERCURY	0.1 µg/g	ND	0.00439/0.05	PASS
CHROMIUM	0.6 µg/g	0.039 µg/g	0.0274/0.5	PASS	NICKEL	0.5 µg/g	0.106 µg/g	0.0271/0.5	PASS
COPPER		0.093 µg/g	0.0446/0.5	N/A					

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

ANALYTE	LIMIT	AMT (%)	PASS/FAIL	ANALYTE	LIMIT	AMT (%)	PASS/FAIL
INORGANIC MATTER	Any amount	ND	PASS	STEMS	5 %	ND	PASS
ORGANIC MATTER	2 %	ND	PASS				

ACCREDITATIONS**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, METHIOCARB, 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, GUAJOL, 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

