

## CERTIFICATE OF ANALYSIS

PRODUCED: APR 12, 2021

SAMPLE: ORANGE CREAM (RT-1) (FLOWER) // CLIENT: LUME / ATTITUDE WELLNESS // BATCH: FAIL



**BATCH NO.:** 1A4050300005721000003107  
**METRC TAG:** 1A4050300005721000003625  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** CAM-210408-026  
**COLLECTED ON:** APR 08, 2021  
**RECEIVED ON:** APR 08, 2021  
**BATCH SIZE:** 6510.65 GRAMS  
**SAMPLE SIZE:** 32.89 GRAMS  
**SAMPLED BY:** NELSON BAARSTAD

## CANNABINOID OVERVIEW

THCA:	17.6 %
$\Delta^9$ -THC:	0.63 %
TOTAL CANNABINOIDS:	18.37 %

## CULTIVATOR INFO

**CULTIVATOR**  
LUME

**LICENSE**  
AU-G-C-000109  
ADULT-USE - CLASS C MARIHUANA  
GROWER

## BATCH RESULT: FAIL

POTENCY	TESTED
FOREIGN	PASS
METALS	PASS
MICROBIAL	FAIL
PESTICIDES	PASS
WATER	PASS

## POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // APR 12, 2021

ANALYTE	AMT (%)	LOD/LOQ ( $\mu$ g/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ ( $\mu$ g/g)	PASS/FAIL
CBC	ND	0.0517/0.172	N/A	$\Delta^8$ -THC	ND	0.0578/0.193	N/A
CBD	ND	0.109/0.363	N/A	$\Delta^9$ -THC	0.627 %	0.102/0.34	N/A
CBDA	ND	0.142/0.474	N/A	THCA	17.6 %	0.0883/0.294	N/A
CBDV	ND	0.0673/0.224	N/A	THCV	ND	0.0699/0.233	N/A
CBG	ND	0.0576/0.192	N/A	TOTAL THC *	16.1 %		N/A
CBGA	0.146 %	0.0328/0.109	N/A	TOTAL CBD *	ND		N/A
CBN	ND	0.0848/0.283	N/A				

\* BEYOND SCOPE OF ACCREDITATION

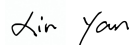
\*\* TOTAL THC = (THCA X 0.877) + THC

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

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.



RESULTS CERTIFIED BY: XIN YAN  
 LABORATORY DIRECTOR, CAMBIUM ANALYTICA  
 APR 12, 2021



RESULTS CERTIFIED BY: DOUGLAS SMITH  
 CHIEF SCIENTIST, CAMBIUM ANALYTICA  
 APR 12, 2021



## PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // APR 12, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	68.6/229	PASS
ACEPHATE	0.4 µg/g	ND	16.2/53.9	PASS
ACEQUINOCYL	2 µg/g	ND	28/93.2	PASS
ACETAMIPRID	0.2 µg/g	ND	14.4/47.9	PASS
ALDICARB	0.4 µg/g	ND	42.1/140	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.4/34.7	PASS
BIFENAZATE	0.2 µg/g	ND	24.9/83	PASS
BIFENTHRIN	0.2 µg/g	ND	14.5/48.2	PASS
BOSCALID	0.4 µg/g	ND	12.7/41.5	PASS
CARBARYL	0.2 µg/g	ND	12/40	PASS
CARBOFURAN	0.2 µg/g	ND	10.6/35.4	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	24.4/81.4	PASS
CHLORFENAPYR	1 µg/g	ND	12/40	PASS
CHLORPYRIFOS	0.2 µg/g	ND	24.5/81.8	PASS
CLOFENTEZINE	0.2 µg/g	ND	20/66.7	PASS
CYFLUTHRIN	1 µg/g	ND	38.4/128	PASS
CYPERMETHRIN	1 µg/g	ND	27.5/91.7	PASS
DAMINOZIDE	1 µg/g	ND	23.7/79.1	PASS
DIAZINON	0.2 µg/g	ND	18.5/61.6	PASS
DICHLORVOS	1 µg/g	ND	12.5/41.6	PASS
DIMETHOATE	0.2 µg/g	ND	12.2/40.6	PASS
ETHOPROPHOS	0.2 µg/g	ND	19/63.2	PASS
ETOFENPROX	0.4 µg/g	ND	14.3/47.6	PASS
ETOXAZOLE	0.2 µg/g	ND	13.4/44.8	PASS
FENOXYCARB	0.2 µg/g	ND	19.9/66.2	PASS
FENPYROXIMATE	0.4 µg/g	ND	43.7/146	PASS
FIPRONIL	0.4 µg/g	ND	44.8/149	PASS
FLONICAMID	1 µg/g	ND	22.1/73.5	PASS
FLUDIOXONIL	0.4 µg/g	ND	10.9/36.4	PASS
HEXYTHIAZOX	1 µg/g	ND	28/93.4	PASS

## PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // APR 12, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	0.049/0.164	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
IMAZALIL	0.2 µg/g	ND	15.4/51.3	PASS
IMIDACLOPRID	0.4 µg/g	ND	33.7/112	PASS
KRESOXIM-METHYL	0.4 µg/g	ND	11.8/39.2	PASS
MALATHION	0.2 µg/g	ND	15.5/51.7	PASS
METALAXYL	0.2 µg/g	ND	17.4/58.1	PASS
METHIOCARB	0.2 µg/g	ND	13.8/45.8	PASS
METHOMYL	0.4 µg/g	ND	9.37/31.2	PASS
MGK-264	0.2 µg/g	ND	19.1/63.6	PASS
MYCLOBUTANIL	0.2 µg/g	ND	19.6/65.3	PASS
NALED	0.5 µg/g	ND	22.8/76.1	PASS
OXAMYL	1 µg/g	ND	35/117	PASS
PACLOBUTRAZOL	0.4 µg/g	ND	36/120	PASS
PERMETHRIN	0.2 µg/g	ND	37.5/125	PASS
PHOSMET	0.2 µg/g	ND	23.8/79.2	PASS
PRALLETHRIN	0.2 µg/g	ND	36.9/123	PASS
PROPICONAZOLE	0.4 µg/g	ND	40.2/134	PASS
PROPOXUR	0.2 µg/g	ND	11.5/38.5	PASS
PYRETHRINS	1 µg/g	ND	19.9/66.3	PASS
PYRIDABEN	0.2 µg/g	ND	26/86.5	PASS
SPINOSAD	0.2 µg/g	ND	5.85/19.5	PASS
SPINOSAD A		ND	6.34/21.1	N/A
SPINOSAD D		ND	2.39/7.95	N/A
SPIROMESIFEN	0.2 µg/g	ND	14.5/48.4	PASS
SPIROTETRAMAT	0.2 µg/g	ND	35.3/118	PASS
SPIROXAMINE	0.4 µg/g	ND	12.2/40.7	PASS
TEBUCONAZOLE	0.4 µg/g	ND	37.4/125	PASS
THIACLOPRID	0.2 µg/g	ND	15.4/51.2	PASS
THIAMETHOXAM	0.2 µg/g	ND	13.6/45.3	PASS
TRIFLOXYSTROB-IN	0.2 µg/g	ND	18.6/62	PASS



## TYM-014: TYM BY 3M PETRIFILM RYM // APR 12, 2021

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	962,000.000 CFU/g	FAIL

## MIC-06: MICROBIAL SCREENING BY QPCR // APR 12, 2021

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP. COLIFORMS	Any amount in 1 gram 1000 CFU/g	ND ND	PASS PASS

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

## MET-05: HEAVY METALS ANALYSIS BY ICP-MS // APR 12, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.4 µg/g	ND	0.0448/0.5	PASS
CADMIUM	0.4 µg/g	0.001 µg/g	0.0256/0.5	PASS
CHROMIUM	1.2 µg/g	0.076 µg/g	0.0274/0.5	PASS
COPPER		7.140 µg/g	0.0446/0.5	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	1 µg/g	0.005 µg/g	0.0169/0.5	PASS
MERCURY	0.2 µg/g	0.001 µg/g	0.00439/0.05	PASS
NICKEL	1 µg/g	0.047 µg/g	0.0271/0.5	PASS

## AWA-09: WATER ACTIVITY // APR 09, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.516 Aw	PASS

## FOR-07: FOREIGN MATTER ANALYSIS // APR 09, 2021

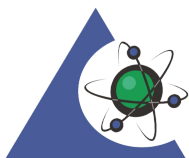
ANALYTE	LIMIT	AMT (%)	PASS/FAIL
INORGANIC MATTER	Any amount	ND	PASS
ORGANIC MATTER	2 %	ND	PASS

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	1.000 %	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, 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, THIACLOPRID, THIAMETHOXAM, TRIFLOXYSTROBIN

### POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD

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

### 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

### AWA-09: WATER ACTIVITY

WATER ACTIVITY

