

## CERTIFICATE OF ANALYSIS

PRODUCED: JUN 24, 2020

SAMPLE: STARBURST KIEF (KIEF) // CLIENT: LUME / ATTITUDE WELLNESS // BATCH: PASS



**BATCH NO.:** 1A4050100001E15000000910  
**METRC TAG:** 1A4050100001E15000002124  
**MATRIX:** KIEF  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** CAM-200617-003  
**COLLECTED ON:** JUN 17, 2020  
**RECEIVED ON:** JUN 17, 2020  
**BATCH SIZE:** 1612 GRAMS  
**SAMPLE SIZE:** 8.08 GRAMS  
**SAMPLED BY:** ANSEL WOOTERS

## CANNABINOID OVERVIEW

THCA:	12.55 %
$\Delta^9$ -THC:	1.39 %
TOTAL CANNABINOIDS:	13.94 %

## CULTIVATOR INFO

**CULTIVATOR**  
 ATTITUDE WELLNESS  
 9741 SOUTH INDUSTRIAL PARK  
 EVART, MI 49631

**LICENSE**  
 GR-C-000262  
 MEDICINAL - CLASS C GROWER

## BATCH RESULT: PASS

POTENCY	TESTED
FOREIGN	PASS
METALS	PASS
MICROBIAL	PASS
PESTICIDES	PASS

## POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // JUN 19, 2020

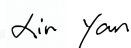
ANALYTE	AMOUNT (%)	LOD/LOQ (%)	PASS/FAIL	ANALYTE	AMOUNT (%)	LOD/LOQ (%)	PASS/FAIL
CBC	ND	0.0000052/0.0000172	N/A	CBN	ND	0.0000085/0.0000283	N/A
CBD	ND	0.0000109/0.0000363	N/A	$\Delta^8$ -THC	ND	0.0000058/0.0000193	N/A
CBDA	ND	0.0000142/0.0000474	N/A	$\Delta^9$ -THC	1.390	0.0000102/0.000034	N/A
CBDV	ND	0.0000067/0.0000224	N/A	THCA	12.550	0.0000088/0.0000294	N/A
CBG	ND	0.0000058/0.0000192	N/A	TOTAL THC **	12.396		N/A
CBGA	ND	0.0000033/0.0000109	N/A	TOTAL CBD **	ND		N/A

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

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



RESULTS CERTIFIED BY: XIN YAN  
 LABORATORY DIRECTOR, CAMBIUM ANALYTICA  
 JUN 24, 2020



RESULTS CERTIFIED BY: DOUGLAS SMITH  
 CHIEF SCIENTIST, CAMBIUM ANALYTICA  
 JUN 24, 2020



## PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // JUN 19, 2020

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	0.068/0.228	PASS
ACEPHATE	0.4 µg/g	ND	0.016/0.054	PASS
ACEQUINOCYL	2 µg/g	ND	0.028/0.093	PASS
ACETAMIPRID	0.2 µg/g	ND	0.014/0.048	PASS
ALDICARB	0.4 µg/g	ND	0.042/0.14	PASS
AZOXYSTROBIN	0.2 µg/g	ND	0.01/0.035	PASS
BIFENAZATE	0.2 µg/g	ND	0.025/0.083	PASS
BIFENTHRIN	0.2 µg/g	ND	0.014/0.048	PASS
BOSCALID	0.4 µg/g	ND	0.013/0.041	PASS
CARBARYL	0.2 µg/g	ND	0.012/0.04	PASS
CARBOFURAN	0.2 µg/g	ND	0.011/0.035	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	0.024/0.081	PASS
CHLORFENAPYR	1 µg/g	ND	0.006/0.021	PASS
CHLORPYRIFOS	0.2 µg/g	ND	0.024/0.082	PASS
CLOFENTEZINE	0.2 µg/g	ND	0.02/0.067	PASS
CYFLUTHRIN	1 µg/g	ND	0.038/0.128	PASS
CYPERMETHRIN	1 µg/g	ND	0.027/0.092	PASS
DAMINOZIDE	1 µg/g	ND	0.024/0.079	PASS
DIAZINON	0.2 µg/g	ND	0.018/0.062	PASS
DICHLORVOS	1 µg/g	ND	0.012/0.042	PASS
DIMETHOATE	0.2 µg/g	ND	0.012/0.04	PASS
ETHOPROPHOS	0.2 µg/g	ND	0.019/0.063	PASS
ETOFENPROX	0.4 µg/g	ND	0.014/0.047	PASS
ETOXAZOLE	0.2 µg/g	ND	0.013/0.045	PASS
FENOXYCARB	0.2 µg/g	ND	0.02/0.066	PASS
FENPYROXIMATE	0.4 µg/g	ND	0.044/0.145	PASS
FIPRONIL	0.4 µg/g	ND	0.045/0.149	PASS
FLONICAMID	1 µg/g	ND	0.022/0.073	PASS
FLUDIOXONIL	0.4 µg/g	ND	0.011/0.036	PASS

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
HEXYTHIAZOX	1 µg/g	ND	0.028/0.093	PASS
IMAZALIL	0.2 µg/g	ND	0.015/0.051	PASS
IMIDACLOPRID	0.4 µg/g	ND	0.034/0.112	PASS
KRESOXIM-METHYL	0.4 µg/g	ND	0.012/0.039	PASS
MALATHION	0.2 µg/g	ND	0.015/0.052	PASS
METALAXYL	0.2 µg/g	ND	0.017/0.058	PASS
METHIOCARB	0.2 µg/g	ND	0.014/0.046	PASS
METHOMYL	0.4 µg/g	ND	0.009/0.031	PASS
MGK-264	0.2 µg/g	ND	0.019/0.063	PASS
MYCLOBUTANIL	0.2 µg/g	ND	0.02/0.065	PASS
NALED	0.5 µg/g	ND	0.023/0.076	PASS
OXAMYL	1 µg/g	ND	0.035/0.116	PASS
PACLOBUTRAZOL	0.4 µg/g	ND	0.036/0.12	PASS
PERMETHRIN	0.2 µg/g	ND	0.037/0.125	PASS
PHOSMET	0.2 µg/g	ND	0.024/0.079	PASS
PRALLETHRIN	0.2 µg/g	ND	0.037/0.123	PASS
PROPICONAZOLE	0.4 µg/g	ND	0.04/0.134	PASS
PROPOXUR	0.2 µg/g	ND	0.012/0.038	PASS
PYRETHRINS	1 µg/g	ND	0.02/0.066	PASS
PYRIDABEN	0.2 µg/g	ND	0.026/0.086	PASS
SPINOSAD	0.2 µg/g	ND	0.006/0.019	PASS
SPIROMESIFEN	0.2 µg/g	ND	0.014/0.048	PASS
SPIROTETRAMAT	0.2 µg/g	ND	0.035/0.117	PASS
SPIROXAMINE	0.4 µg/g	ND	0.012/0.041	PASS
TEBUCONAZOLE	0.4 µg/g	ND	0.037/0.124	PASS
THIACLOPRID	0.2 µg/g	ND	0.015/0.051	PASS
THIAMETHOXAM	0.2 µg/g	ND	0.014/0.045	PASS
TRIFLOXYSTROB-IN	0.2 µg/g	ND	0.019/0.062	PASS

## PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // JUN 19, 2020

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	0.006/0.021	PASS

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
METHYL PARATHION	0.2 µg/g	ND	0.003/0.011	PASS



## MIC-06: MICROBIAL SCREENING BY QPCR // JUN 24, 2020

ANALYTE	LIMIT	AMOUNT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP.	Any amount in 1 gram	ND	PASS
COLIFORMS	100 CFU/g	ND	PASS
ESCHERICHIA COLI	Any amount in 1 gram	ND	PASS

ANALYTE	LIMIT	AMOUNT (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amount in 1 gram	ND	PASS
YEAST & MOLD	10000 CFU/g	ND	PASS

## MET-05: HEAVY METALS ANALYSIS BY ICP-MS // JUN 19, 2020

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.2 µg/g	ND	0.045/0.5	PASS
CADMIUM	0.2 µg/g	0.003	0.026/0.5	PASS
CHROMIUM	0.6 µg/g	0.125	0.027/0.5	PASS
COPPER		6.986	0.045/0.5	N/A

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	0.5 µg/g	0.015	0.017/0.5	PASS
MERCURY	0.1 µg/g	0.005	0.004/0.05	PASS
NICKEL		0.067	0.027/0.5	N/A

## FOR-07: FOREIGN MATTER ANALYSIS // JUN 18, 2020

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

ANALYTE	LIMIT	AMOUNT (%)	PASS/FAIL
STEMS		ND	N/A

