

# CERTIFICATE OF ANALYSIS



**SAMPLE NAME:** CLIMBING KITES MIXED BERRY CKB27

**SAMPLE CODE:** HEM-240415-012

**CLIENT:** FAIR STATE BREWING

**BATCH RESULT:** PASS

1230 Woodmere Ave  
Traverse City, MI 49686  
231.252.3669  
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**MATRIX NAME:** Beverage  
**SAMPLE TYPE:** Compliance  
**RECEIVED DATE:** Tue, Apr 16, 2024  
**PUBLISHED DATE:** Thu, Apr 18, 2024  
**BATCH CODE:** CKB27  
**BATCH SIZE:** 0  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 356.13g (1 can)

TOTAL CANNABINOIDS 26.18 mg/ serv

TOTAL THC 8.69 mg/ serv

TOTAL CBD 17.26 mg/ serv

POT ✓ Cannabinoids Potency	PGC ✓ Chemical Residue MI Cannabis	PLC ✓ Chemical Residue MI Cannabis	AFLA ✓ Aflatoxins USP <561>	HPMET ✓ Heavy Metals 7
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**RESULTS REVIEWED BY:** Leslie Varela  
Laboratory Director  
Cambium Analytica  
Thursday, Apr 18, 2024

**RESULTS CERTIFIED BY:** Douglas Smith  
VP - Scientific Operations  
Cambium Analytica  
Thursday, Apr 18, 2024

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**LAB-TM-025 - DETERMINATION OF POTENCY OF CANNABIS AND CANNABIS INFUSED PRODUCTS ACN**  
 POT-HEM-240415-012-04 - WED, APR 17, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Total Cannabinoids	0.0074 %	0.0735 mg/g	26.18 mg	26.18 mg	N/A			N/A
CBD	0.0048 %	0.0485 mg/g	17.26 mg	17.26 mg	N/A	0.6432 ug/g	5.401 ug/g	N/A
Total CBD	0.0048 %	0.0485 mg/g	17.26 mg	17.26 mg	N/A			N/A
Delta-9 THC	0.0024 %	0.0244 mg/g	8.69 mg	8.69 mg	N/A	0.4945 ug/g	1.516 ug/g	N/A
Total THC	0.0024 %	0.0244 mg/g	8.69 mg	8.69 mg	N/A			N/A
Delta-9 THCV	0.0001 %	0.0006 mg/g	0.22 mg	0.22 mg	N/A	0.2699 ug/g	0.4033 ug/g	N/A
Total THCV	0.0001 %	0.0006 mg/g	0.22 mg	0.22 mg	N/A			N/A
CBC	ND	ND	ND	ND	N/A	0.4372 ug/g	4.843 ug/g	N/A
CBDA	ND	ND	ND	ND	N/A	0.0886 ug/g	0.2949 ug/g	N/A
CBDV	ND	ND	ND	ND	N/A	0.0919 ug/g	0.4418 ug/g	N/A
CBG	ND	ND	ND	ND	N/A	0.2073 ug/g	0.8539 ug/g	N/A
CBGA	ND	ND	ND	ND	N/A	0.4596 ug/g	4.8149 ug/g	N/A
CBN	ND	ND	ND	ND	N/A	0.3561 ug/g	4.3163 ug/g	N/A
Delta-8 THC	ND	ND	ND	ND	N/A	0.4043 ug/g	4.5669 ug/g	N/A
Delta-8 THCV	ND	ND	ND	ND	N/A	0.0504 ug/g	0.3393 ug/g	N/A
THCA	ND	ND	ND	ND	N/A	0.4497 ug/g	4.9472 ug/g	N/A

**LAB-TM-003 - DETERMINATION OF CHEMICAL RESIDUE OF CANNABIS AND CANNABIS INFUSED PRODUCTS BY GC**  
 PGC-HEM-240415-012-01 - MON, APR 15, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Chlorfenapyr	ND	N/A	6.110 ug/kg	20.400 ug/kg	N/A
Methyl Parathion	ND	N/A	3.120 ug/kg	10.500 ug/kg	N/A



LAB-TM-002 - DETERMINATION OF CHEMICAL RESIDUE OF CANNABIS AND CANNABIS INFUSED PRODUCTS BY LC-TQ  
 PLC-HEM-240415-012-01 - MON, APR 15, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Abamectin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Acephate	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Acequinocyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Acetamiprid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Aldicarb	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Azoxystrobin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Bifenazate	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Bifenthrin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Boscalid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Carbaryl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Carbofuran	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Chlorantraniliprole	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Chlorpyrifos	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Clofentezine	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Cyfluthrin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Cypermethrin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Daminozide	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Diazinon	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Dichlorvos	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Dimethoate	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Ethoprophos	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Etofenprox	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Etoxazole	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fenoxycarb	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fenpyroximate	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fipronil	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fonicamid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Fludioxonil	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Hexythiazox	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Imazalil	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Imidacloprid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Kresoxim Methyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Malathion	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Metalaxyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Methiocarb	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Methomyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
MGK-264	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Myclobutanil	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Naled	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Oxamyl	ND	N/A	0.05 ug/g	0.10 ug/g	N/A



**LAB-TM-002 - DETERMINATION OF CHEMICAL RESIDUE OF CANNABIS AND CANNABIS INFUSED PRODUCTS BY LC-TQ**  
 PLC-HEM-240415-012-01 - MON, APR 15, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Paclotrazol	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Permethrins (Sum of Cis- and Trans-Permethrin)	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Phosmet	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Prallethrin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Propiconazole	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Propoxur	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Pyrethrins Cinerin 1	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Pyrethrins Jasmolin 1	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Pyrethrins Pyrethrin 1	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Pyridaben	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spinosad	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spinosad A	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spinosad D	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spiromesifen	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spirotetramat	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Spiroxamine	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Tebuconazole	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Thiacloprid	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Thiamethoxam	ND	N/A	0.05 ug/g	0.10 ug/g	N/A
Trifloxystrobin	ND	N/A	0.05 ug/g	0.10 ug/g	N/A



**LAB-TM-043 - USP 561 AFLATOXINS ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC-TQ**  
 AFLA-HEM-240415-012-01 - MON, APR 15, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aflatoxin B1	ND	N/A	0.00125 ug/g	0.0025 ug/g	N/A
Aflatoxin B2	ND	N/A	0.00125 ug/g	0.0025 ug/g	N/A
Aflatoxin G1	ND	N/A	0.00125 ug/g	0.0025 ug/g	N/A
Aflatoxin G2	ND	N/A	0.00125 ug/g	0.0025 ug/g	N/A
Ochratoxin A	ND	N/A	0.00125 ug/g	0.0025 ug/g	N/A
Aflatoxins (Sum of B1, B2, G1, and G2)	ND	N/A			N/A

**LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS**  
 HPMET-HEM-240415-012-01 - MON, APR 15, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	ND	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Chromium	ND	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	0.019 ug/g	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	0.001 ug/g	N/A	0.282 ug/kg	0.282 ug/kg	N/A
Mercury	0.002 ug/g	N/A	0.017 ug/kg	0.057 ug/kg	N/A
Nickel	0.002 ug/g	N/A	0.321 ug/kg	1.071 ug/kg	N/A

