

CERTIFICATE OF ANALYSIS

* FOR QUALITY ASSURANCE PURPOSES. NOT A MICHIGAN COMPLIANCE CERTIFICATE.

PRODUCED: OCT 05, 2022

SAMPLE: LEMONHEAD HAZE BULK 22222 (INDUSTRIAL HEMP) // **CLIENT:** NOVITA CBD // **BATCH:** 22222
 REFERENCE FINISHED PRODUCT LOTS 100020 (1-99), 100021 (1-99)



MATRIX: INDUSTRIAL HEMP
SAMPLE ID: CAM-220929-036
COLLECTED ON: SEP 28, 2022
RECEIVED ON: SEP 28, 2022
SAMPLE SIZE: 17 G
SAMPLED BY: ANNA WHITLOCK

CANNABINOID OVERVIEW

CBDA: 15.9 %
CBGA: 0.65 %
TOTAL CANNABINOIDS: 17.46 %

BATCH RESULT: PASS

POTENCY: PASS
METALS: PASS
MICROBIAL: TESTED
PESTICIDES: PASS
TERPENES: TESTED
WATER: TESTED

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // OCT 05, 2022

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
CBC		ND	ND	0.0517/0.172		Δ⁸ + Δ⁹-THC		ND	ND		
CBD	0.387 %	3.87 mg/g		0.109/0.363		Δ⁸-THC	10 %	ND	ND	0.0578/0.193	PASS
CBDA	15.9 %	159 mg/g		0.142/0.474		Δ⁹-THC		ND	ND	0.102/0.340	
CBDV		ND	ND	0.0673/0.224		THCA		0.526 %	5.26 mg/g	0.0883/0.294	
CBG		ND	ND	0.0576/0.192		THCV		ND	ND	0.0699/0.233	
CBGA	0.649 %	6.49 mg/g		0.0328/0.109		TOTAL THC **		0.461 %	4.61 mg/g		
CBN		ND	ND	0.0848/0.283		TOTAL CBD **		14.3 %	143 mg/g		

** 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 // OCT 03, 2022

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES *	0.628 %			CAMPHOR	ND	0.500/1.000	
β-MYRCENE	0.304 %	0.500/1.000		CARYOPHYLLENE OXIDE	ND	0.500/1.000	
CIS-β-OCIMENE	0.076 %	0.500/1.000		CEDROL	ND	0.500/1.000	
TRANS-CARYOPHYLLENE	0.075 %	0.500/1.000		CIS-NEROLIDOL	ND	0.500/1.000	
GUAIOL	0.047 %	0.500/1.000		Δ³-CARENE	ND	0.500/1.000	
LIMONENE	0.035 %	0.500/1.000		EUCALYPTOL	ND	0.500/1.000	
α-BISABOLOL	0.034 %	0.500/1.000		γ-TERPINENE	ND	0.500/1.000	
LINALOOL *	0.023 %	0.500/1.000		GERANYL ACETATE	ND	0.500/1.000	
α-HUMULENE	0.022 %	0.500/1.000		ISOBORNEOL	ND	0.500/1.000	
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.012 %	0.500/1.000		ISOPULEGOL	ND	0.500/1.000	
(+)-FENCHONE	ND	0.500/1.000		PULEGONE	ND	0.500/1.000	
α-CEDRENE	ND	0.500/1.000		SABINENE	ND	0.500/1.000	
α-PHELLANDRENE	ND	0.500/1.000		SABINENE HYDRATE	ND	0.500/1.000	
α-PINENE	ND	0.500/1.000		TERPINOLENE	ND	0.500/1.000	
α-TERPINENE	ND	0.500/1.000		TRANS-β-OCIMENE	ND	0.500/1.000	
β-PINENE	ND	0.500/1.000		TRANS-NEROLIDOL	ND	0.500/1.000	
CAMPHENE	ND	0.500/1.000		VALENCENE	ND	0.500/1.000	

* 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



RESULTS CERTIFIED BY: VERNON BRADY
LABORATORY DIRECTOR, CAMBIUM ANALYTICA
OCT 05, 2022

RESULTS CERTIFIED BY: DOUGERS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
OCT 05, 2022



PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // OCT 03, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	5.980/20.000	PASS	METHYL PARATHION	0.2 µg/g	ND	3.050/10.300	PASS

PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // OCT 03, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	68.700/229.000	PASS	IMAZALIL	0.2 µg/g	ND	15.400/51.300	PASS
ACEPHATE	0.4 µg/g	ND	16.200/53.900	PASS	IMIDACLOPRID	0.4 µg/g	ND	33.700/112.000	PASS
ACEQUINOCYL	2 µg/g	ND	28.000/93.300	PASS	KRESOXIM-METHYL	0.4 µg/g	ND	11.800/39.300	PASS
ACETAMIPRID	0.2 µg/g	ND	14.400/47.900	PASS	MALATHION	0.2 µg/g	ND	15.500/51.800	PASS
ALDICARB	0.4 µg/g	ND	42.100/140.000	PASS	METALAXYL	0.2 µg/g	ND	17.500/58.200	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.400/34.700	PASS	METHIOCARB	0.2 µg/g	ND	13.800/45.900	PASS
BIFENAZATE	0.2 µg/g	ND	24.900/83.100	PASS	METHOMYL	0.4 µg/g	ND	9.380/31.300	PASS
BIFENTHRIN	0.2 µg/g	ND	14.500/48.200	PASS	MGK-264	0.2 µg/g	ND	19.100/63.700	PASS
BOSCALID	0.4 µg/g	ND	12.700/41.500	PASS	MYCLOBUTANIL	0.2 µg/g	ND	19.600/65.400	PASS
CARBARYL	0.2 µg/g	ND	12.000/40.000	PASS	NALED	0.5 µg/g	ND	22.900/76.200	PASS
CARBOFURAN	0.2 µg/g	ND	10.600/35.400	PASS	OXAMYL	1 µg/g	ND	35.000/117.000	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	24.400/81.500	PASS	PACLOBUTRAZOL	0.4 µg/g	ND	36.100/120.000	PASS
CHLORPYRIFOS	0.2 µg/g	ND	24.600/81.800	PASS	PERMETHRIN	0.2 µg/g	ND	37.600/125.000	PASS
CLOFENTEZINE	0.2 µg/g	ND	20.000/66.800	PASS	PHOSMET	0.2 µg/g	ND	23.800/79.300	PASS
CYFLUTHRIN	1 µg/g	ND	38.500/128.000	PASS	PRALLETHRIN	0.2 µg/g	ND	37.000/123.000	PASS
CYPERMETHRIN	1 µg/g	ND	27.500/91.800	PASS	PROPICONAZOLE	0.4 µg/g	ND	40.300/134.000	PASS
DAMINOZIDE	1 µg/g	ND	23.800/79.200	PASS	PROPOXUR	0.2 µg/g	ND	11.500/38.500	PASS
DIAZINON	0.2 µg/g	ND	18.500/61.700	PASS	PYRETHRINS	1 µg/g	ND	19.900/66.400	PASS
DICHLORVOS	1 µg/g	ND	12.500/41.600	PASS	PYRIDABEN	0.2 µg/g	ND	26.000/86.600	PASS
DIMETHOATE	0.2 µg/g	ND	12.200/40.600	PASS	SPINOSAD	0.2 µg/g	ND	5.860/19.600	PASS
ETHOPROPHOS	0.2 µg/g	ND	19.000/63.300	PASS	SPINOSAD A		ND	6.350/21.100	
ETOFENPROX	0.4 µg/g	ND	14.300/47.600	PASS	SPINOSAD D		ND	2.390/7.960	
ETOXAZOLE	0.2 µg/g	ND	13.500/44.800	PASS	SPIROMESIFEN	0.2 µg/g	ND	14.500/48.500	PASS
FENOXYCARB	0.2 µg/g	ND	19.900/66.300	PASS	SPIROTETRAMAT	0.2 µg/g	ND	35.300/118.000	PASS
FENPYROXIMATE	0.4 µg/g	ND	43.700/146.000	PASS	SPIROXAMINE	0.4 µg/g	ND	12.200/40.700	PASS
FIPRONIL	0.4 µg/g	ND	44.800/149.000	PASS	TEBUCONAZOLE	0.4 µg/g	ND	37.400/125.000	PASS
FLONICAMID	1 µg/g	ND	22.100/73.600	PASS	THIACLOPRID	0.2 µg/g	ND	15.400/51.300	PASS
FLUDIOXONIL	0.4 µg/g	ND	10.900/36.400	PASS	THIAMETHOXAM	0.2 µg/g	ND	13.600/45.400	PASS
HEXYTHIAZOX	1 µg/g	ND	28.100/93.500	PASS	TRIFLOXYSTROB-IN	0.2 µg/g	ND	18.600/62.100	PASS



COL-027: TOTAL COLIFORMS // OCT 01, 2022

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

TYM-014, TYM-028: TOTAL YEAST AND MOLD // OCT 02, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	10000 CFU/g	6,000 CFU/g	

SAL-030: SALMONELLA // OCT 03, 2022

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

STEC-030: SHIGA TOXIN PRODUCING E. COLI // OCT 03, 2022

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

ASP-029: ASPERGILLUS SPP. // OCT 03, 2022

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

nūvita QUALITY RELEASE

Sensory: N/A

Visual: N/A

Aroma: N/A

Flavor: N/A

Lab Report (COA): Pass

Signature: *Cathy York* Release Date: 10.5.22

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // SEP 30, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	1.5 µg/g	ND	0.045/0.500	PASS
CADMIUM	0.5 µg/g	0.117 µg/g	0.026/0.500	PASS
CHROMIUM	2 µg/g	0.002 µg/g	0.027/0.500	PASS
COPPER		14.700 µg/g	0.045/0.500	

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

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	0.5 µg/g	0.012 µg/g	0.017/0.500	PASS
MERCURY	3 µg/g	0.004 µg/g	0.004/0.050	PASS
NICKEL		0.057 µg/g	0.027/0.500	

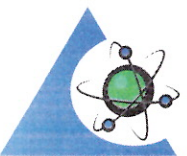
: WATER ACTIVITY // SEP 30, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.504 Aw	

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, 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

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

CHLORFENAPYR, METHYL PARATHION

: WATER ACTIVITY

WATER ACTIVITY

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