

CERTIFICATE OF ANALYSIS

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

PRODUCED: APR 01, 2022

SAMPLE: BLISS BERRY (8422) (FLOWER) // CLIENT: NUVITA CBD // BATCH: PASS



MATRIX: FLOWER
 SAMPLE ID: CAM-220329-068
 COLLECTED ON: MAR 28, 2022
 RECEIVED ON: MAR 28, 2022
 SAMPLE SIZE: 10 UNITS
 SAMPLED BY: HANNAH HARDY
 RECEIVED BY: HANNAH HARDY

CANNABINOID OVERVIEW

CBDA: 12.7 %
 CBD: 0.52 %
 TOTAL CANNABINOIDS: 14.1 %

BATCH RESULT: PASS

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

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // MAR 31, 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	PASS	Δ ⁸ -THC		ND	ND	0.0578/0.193	PASS
CBD	0.518 %	5.18 mg/g	0.109 mg/g	0.109/0.363	PASS	Δ ⁹ -THC		ND	ND	0.102/0.34	PASS
CBDA	12.7 %	127 mg/g	0.142 mg/g	0.142/0.474	PASS	THCA	0.432 %	4.32 mg/g	0.0883 mg/g	0.0883/0.294	PASS
CBDV		ND	ND	0.0673/0.224	PASS	THCV		ND	ND	0.0699/0.233	PASS
CBG	0.00330 %	0.033 mg/g	0.0576 mg/g	0.0576/0.192	PASS	TOTAL THC **	0.379 %	3.79 mg/g			PASS
CBGA	0.444 %	4.44 mg/g	0.0328 mg/g	0.0328/0.109	PASS	TOTAL CBD **	11.7 %	117 mg/g			PASS
CBN		ND	0.0848 mg/g	0.0848/0.283	PASS						

** 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 // MAR 31, 2022

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES *	0.419 %		PASS	EUCALYPTOL	0.003 %	0.5/1	PASS
β-MYRCENE	0.157 %	0.5/1	PASS	SABINENE HYDRATE	ND	0.5/1	PASS
CEDROL	0.031 %	0.5/1	PASS	SABINENE	ND	0.5/1	PASS
α-PINENE	0.030 %	0.5/1	PASS	PULEGONE	ND	0.5/1	PASS
LIMONENE	0.028 %	0.5/1	PASS	TRANS-β-OCIMENE	ND	0.5/1	PASS
GUAJOL	0.025 %	0.5/1	PASS	TERPINOLENE	ND	0.5/1	PASS
LINALOOL *	0.023 %	0.5/1	PASS	(+)-FENCHONE	ND	0.5/1	PASS
ISOBORNEOL	0.019 %	0.5/1	PASS	ISOPULEGOL	ND	0.5/1	PASS
TRANS-CARYOPHYLLENE	0.018 %	0.5/1	PASS	GERANYL ACETATE	ND	0.5/1	PASS
TRANS-NEROLIDOL	0.016 %	0.5/1	PASS	γ-TERPINENE	ND	0.5/1	PASS
α-BISABOLOL	0.014 %	0.5/1	PASS	CIS-NEROLIDOL	ND	0.5/1	PASS
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.014 %	0.5/1	PASS	CIS-β-OCIMENE	ND	0.5/1	PASS
CARYOPHYLLENE OXIDE	0.012 %	0.5/1	PASS	CAMPHOR	ND	0.5/1	PASS
β-PINENE	0.011 %	0.5/1	PASS	α-TERPINENE	ND	0.5/1	PASS
VALENCENE	0.007 %	0.5/1	PASS	α-PHELLANDRENE	ND	0.5/1	PASS
α-HUMULENE	0.007 %	0.5/1	PASS	α-CEDRENE	ND	0.5/1	PASS
CAMPHENE	0.004 %	0.5/1	PASS	Δ ³ -CARENE	ND	0.5/1	PASS

* 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: XIN YAN
LABORATORY DIRECTOR, CAMBIUM ANALYTICA
APR 01, 2022

Xin Yan

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
APR 01, 2022

Jim



PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // MAR 31, 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	6.34/21.2	PASS	METHYL PARATHION	0.2 µg/g	ND	3.24/10.9	PASS

PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // APR 01, 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	68.6/229	PASS	IMAZALIL	0.2 µg/g	ND	15.4/51.3	PASS
ACEPHATE	0.4 µg/g	ND	16.2/53.9	PASS	IMIDACLOPRID	0.4 µg/g	ND	33.7/112	PASS
ACEQUINOCYL	2 µg/g	ND	28/93.2	PASS	KRESOXIM-METHYL	0.4 µg/g	ND	11.8/39.2	PASS
ACETAMIPRID	0.2 µg/g	ND	14.4/47.9	PASS	MALATHION	0.2 µg/g	ND	15.5/51.7	PASS
ALDICARB	0.4 µg/g	ND	42.1/140	PASS	METALAXYL	0.2 µg/g	ND	17.4/58.1	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.4/34.7	PASS	METHIOCARB	0.2 µg/g	ND	13.8/45.8	PASS
BIFENAZATE	0.2 µg/g	ND	24.9/83	PASS	METHOMYL	0.4 µg/g	ND	9.37/31.2	PASS
BIFENTHRIN	0.2 µg/g	ND	14.5/48.2	PASS	MGK-264	0.2 µg/g	ND	19.1/63.6	PASS
BOSCALID	0.4 µg/g	ND	12.7/41.5	PASS	MYCLOBUTANIL	0.2 µg/g	ND	19.6/65.3	PASS
CARBARYL	0.2 µg/g	ND	12/40	PASS	NALED	0.5 µg/g	ND	22.8/76.1	PASS
CARBOFURAN	0.2 µg/g	ND	10.6/35.4	PASS	OXAMYL	1 µg/g	ND	35/117	PASS
CHLORANTRANILIPROLE	0.2 µg/g	ND	24.4/81.4	PASS	PACLOBUTRAZOL	0.4 µg/g	ND	36/120	PASS
CHLORPYRIFOS	0.2 µg/g	ND	24.5/81.8	PASS	PERMETHRIN	0.2 µg/g	ND	37.5/125	PASS
CLOFENTEZINE	0.2 µg/g	ND	20/66.7	PASS	PHOSMET	0.2 µg/g	ND	23.8/79.2	PASS
CYFLUTHRIN	1 µg/g	ND	38.4/128	PASS	PRALLETHRIN	0.2 µg/g	ND	36.9/123	PASS
CYPERMETHRIN	1 µg/g	ND	27.5/91.7	PASS	PROPICONAZOLE	0.4 µg/g	ND	40.2/134	PASS
DAMINOZIDE	1 µg/g	ND	23.7/79.1	PASS	PROPOXUR	0.2 µg/g	ND	11.5/38.5	PASS
DIAZINON	0.2 µg/g	ND	18.5/61.6	PASS	PYRETHRINS	1 µg/g	ND	19.9/66.3	PASS
DICHLORVOS	1 µg/g	ND	12.5/41.6	PASS	PYRIDABEN	0.2 µg/g	ND	26/86.5	PASS
DIMETHOATE	0.2 µg/g	ND	12.2/40.6	PASS	SPINOSAD	0.2 µg/g	ND	5.85/19.5	PASS
ETHOPROPHOS	0.2 µg/g	ND	19/63.2	PASS	SPINOSAD A		ND	6.34/21.1	
ETOFENPROX	0.4 µg/g	ND	14.3/47.6	PASS	SPINOSAD D		ND	2.39/7.95	
ETOXAZOLE	0.2 µg/g	ND	13.4/44.8	PASS	SPIROMESIFEN	0.2 µg/g	ND	14.5/48.4	PASS
FENOXYCARB	0.2 µg/g	ND	19.9/66.2	PASS	SPIROTETRAMAT	0.2 µg/g	ND	35.3/118	PASS
FENPYROXIMATE	0.4 µg/g	ND	43.7/146	PASS	SPIROXAMINE	0.4 µg/g	ND	12.2/40.7	PASS
FIPRONIL	0.4 µg/g	ND	44.8/149	PASS	TEBUCONAZOLE	0.4 µg/g	ND	37.4/125	PASS
FLONICAMID	1 µg/g	ND	22.1/73.5	PASS	THIACLOPRID	0.2 µg/g	ND	15.4/51.2	PASS
FLUDIOXONIL	0.4 µg/g	ND	10.9/36.4	PASS	THIAMETHOXAM	0.2 µg/g	ND	13.6/45.3	PASS
HEXYTHIAZOX	1 µg/g	ND	28/93.4	PASS	TRIFLOXYSTROBIN	0.2 µg/g	ND	18.6/62	PASS



COL-027: TOTAL COLIFORMS // MAR 30, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
COLIFORMS	1000 CFU/g	ND	PASS

STEC-030: SHIGA TOXIN PRODUCING E. COLI // MAR 31, 2022

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

SAL-030: SALMONELLA // MAR 31, 2022

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

ASP-029: ASPERGILLUS SPP. // MAR 31, 2022

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

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

TYM-014, TYM-028: TOTAL YEAST AND MOLD // APR 01, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	1,256 CFU/g	PASS

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // MAR 31, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.4 µg/g	0.001 µg/g	0.0448/0.5	PASS
CADMIUM	0.4 µg/g	0.065 µg/g	0.0256/0.5	PASS
CHROMIUM	1.2 µg/g	0.019 µg/g	0.0274/0.5	PASS
COPPER		9.020 µg/g	0.0446/0.5	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	1 µg/g	0.009 µg/g	0.0169/0.5	PASS
MERCURY	0.2 µg/g	0.004 µg/g	0.00439/0.05	PASS
NICKEL	1 µg/g	0.017 µg/g	0.0271/0.5	PASS

AWA-09: WATER ACTIVITY // MAR 30, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.472 Aw	PASS

FOR-07: FOREIGN MATTER ANALYSIS // MAR 30, 2022

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, SPIOXAMINE, TEBUCONAZOLE, THIACTLOPRID, 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

AWA-09: WATER ACTIVITY

WATER ACTIVITY

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nüvitā QUALITY RELEASE
Sensory: pass
Visual: pass
Aroma: pass
Flavor: n/a
Lab Report (COA): pass
Signature: [Signature] Release Date: 4.1.22

