

CERTIFICATE OF ANALYSIS

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

PRODUCED: OCT 17, 2022

SAMPLE: CBG INFUSED FULL SPECTRUM BLEND (100025) (TINCTURE) // **CLIENT:** NUVITA CBD // **BATCH:** PASS
REFERENCE FINISHED PRODUCT LOTS 100026, 100027, 100028



MATRIX: TINCTURE
SAMPLE ID: CAM-221011-142
COLLECTED ON: OCT 10, 2022
RECEIVED ON: OCT 10, 2022
SAMPLE SIZE: 30 ML
SAMPLED BY: HANNAH HARDY
RECEIVED BY: HANNAH HARDY
SERVING/PACKAGE SIZE: 0.94 G / 28.2 G

CANNABINOID OVERVIEW

CBD: 24.63 mg/srv
CBG: 10.25 mg/srv
TOTAL CANNABINOIDS: 38.14 mg/srv

BATCH RESULT: PASS

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

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // OCT 14, 2022

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
CBC	0.242 %	2.42 mg/g		0.0517/0.172	N/A	THCV		ND	ND	0.0699/0.233	N/A
CBD	2.62 %	26.2 mg/g		0.109/0.363	N/A	TOTAL THC **	0.105 %	1.05 mg/g			N/A
CBDA	ND	ND		0.142/0.474	N/A	TOTAL CBD **	2.62 %	26.2 mg/g			N/A
CBDV	ND	ND		0.0673/0.224	N/A	CBG/SRV		24.6 mg			N/A
CBG	1.09 %	10.9 mg/g		0.0576/0.192	N/A	Δ ⁸ + Δ ⁹ -THC/SRV	0.990 mg				PASS
CBGA	ND	ND		0.0328/0.109	N/A	Δ ⁸ -THC/SRV	ND				PASS
CBN	ND	ND		0.0848/0.283	N/A	Δ ⁹ -THC/SRV	0.990 mg				N/A
Δ ⁸ + Δ ⁹ -THC	0.105 %	1.05 mg/g			N/A	CBG/PKG	739 mg				N/A
Δ ⁸ -THC	10 %	ND		0.0578/0.193	PASS	Δ ⁸ + Δ ⁹ -THC/PKG	29.6 mg				PASS
Δ ⁹ -THC	0.105 %	1.05 mg/g		0.102/0.340	N/A	Δ ⁸ -THC/PKG	ND				PASS
THCA	ND	ND		0.0883/0.294	N/A	Δ ⁹ -THC/PKG	29.6 mg				N/A

** 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 17, 2022

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES *	0.121 %		N/A	CARYOPHYLLENE OXIDE	ND	0.500/1.000	N/A
TRANS-CARYOPHYLLENE	0.047 %	0.500/1.000	N/A	CEDROL	ND	0.500/1.000	N/A
α-BISABOLOL	0.022 %	0.500/1.000	N/A	CIS-β-OCIMENE	ND	0.500/1.000	N/A
α-HUMULENE	0.018 %	0.500/1.000	N/A	CIS-NEROLIDOL	ND	0.500/1.000	N/A
TRANS-NEROLIDOL	0.010 %	0.500/1.000	N/A	Δ ³ -CARENE	ND	0.500/1.000	N/A
GUAJOL	0.007 %	0.500/1.000	N/A	EUCALYPTOL	ND	0.500/1.000	N/A
α-TERPINEOL	0.006 %	0.500/1.000	N/A	γ-TERPINENE	ND	0.500/1.000	N/A
β-MYRCENE	0.006 %	0.500/1.000	N/A	GERANYL ACETATE	ND	0.500/1.000	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.005 %	0.500/1.000	N/A	ISOBORNEOL	ND	0.500/1.000	N/A
BORNEOL *	ND		N/A	ISOPULEGOL	ND	0.500/1.000	N/A
DL-MENTHOL *	ND		N/A	LIMONENE	ND	0.500/1.000	N/A
(+)-FENCHONE	ND	0.500/1.000	N/A	LINALOOL *	ND	0.500/1.000	N/A
α-CEDRENE	ND	0.500/1.000	N/A	PULEGONE	ND	0.500/1.000	N/A
α-PHELLANDRENE	ND	0.500/1.000	N/A	SABINENE	ND	0.500/1.000	N/A
α-PINENE	ND	0.500/1.000	N/A	SABINENE HYDRATE	ND	0.500/1.000	N/A
α-TERPINENE	ND	0.500/1.000	N/A	TERPINOLENE	ND	0.500/1.000	N/A
β-PINENE	ND	0.500/1.000	N/A	TRANS-β-OCIMENE	ND	0.500/1.000	N/A

CAMBIUM
CAMPBOR

ND 0.500/1.000
ND 0.500/1.000

VALENCENE
N/A

ND 0.500/1.000

N/A

* 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 LALONE
LABORATORY DIRECTOR, CAMBIUM ANALYTICA
OCT 17, 2022

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
OCT 17, 2022



PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // OCT 13, 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	71.900/240.000	PASS	IMAZALIL	0.2 µg/g	ND	16.100/53.800	PASS
ACEPHATE	0.4 µg/g	ND	16.900/56.500	PASS	IMIDACLOPRID	0.4 µg/g	ND	35.300/118.000	PASS
ACEQUINOCYL	2 µg/g	ND	29.300/97.700	PASS	KRESOXIM-METHYL	0.4 µg/g	ND	12.300/41.100	PASS
ACETAMIPRID	0.2 µg/g	ND	15.100/50.200	PASS	MALATHION	0.2 µg/g	ND	16.300/54.200	PASS
ALDICARB	0.4 µg/g	ND	44.100/147.000	PASS	METALAXYL	0.2 µg/g	ND	18.300/60.900	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.900/36.300	PASS	METHIOCARB	0.2 µg/g	ND	14.400/48.000	PASS
BIFENAZATE	0.2 µg/g	ND	26.100/87.000	PASS	METHOMYL	0.4 µg/g	ND	9.810/32.700	PASS
BIFENTHRIN	0.2 µg/g	ND	15.200/50.500	PASS	MGK-264	0.2 µg/g	ND	20.000/66.700	PASS
BOSCALID	0.4 µg/g	ND	13.300/43.500	PASS	MYCLOBUTANIL	0.2 µg/g	ND	20.500/68.400	PASS
CARBARYL	0.2 µg/g	ND	12.500/41.900	PASS	NALED	0.5 µg/g	ND	23.900/79.800	PASS
CARBOFURAN	0.2 µg/g	ND	11.100/37.100	PASS	OXAMYL	1 µg/g	ND	36.700/122.000	PASS
CHLORANTRANILIPROLE	0.2 µg/g	ND	25.600/85.300	PASS	PACLOBUTRAZOL	0.4 µg/g	ND	37.800/126.000	PASS
CHLORPYRIFOS	0.2 µg/g	ND	25.700/85.700	PASS	PERMETHRIN	0.2 µg/g	ND	39.300/131.000	PASS
CLOFENTEZINE	0.2 µg/g	ND	21.000/69.900	PASS	PHOSMET	0.2 µg/g	ND	24.900/83.000	PASS
CYFLUTHRIN	1 µg/g	ND	40.300/134.000	PASS	PRALLETHRIN	0.2 µg/g	ND	38.700/129.000	PASS
CYPERMETHRIN	1 µg/g	ND	28.800/96.100	PASS	PROPICONAZOLE	0.4 µg/g	ND	42.100/141.000	PASS
DAMINOZIDE	1 µg/g	ND	24.900/82.900	PASS	PROPOXUR	0.2 µg/g	ND	12.100/40.300	PASS
DIAZINON	0.2 µg/g	ND	19.400/64.600	PASS	PYRETHRINS	1 µg/g	ND	20.900/69.500	PASS
DICHLORVOS	1 µg/g	ND	13.100/43.600	PASS	PYRIDABEN	0.2 µg/g	ND	27.200/90.700	PASS
DIMETHOATE	0.2 µg/g	ND	12.800/42.500	PASS	SPINOSAD	0.2 µg/g	ND	6.130/20.500	PASS
ETHOPROPHOS	0.2 µg/g	ND	19.900/66.300	PASS	SPINOSAD A		ND	6.650/22.100	
ETOFENPROX	0.4 µg/g	ND	15.000/49.900	PASS	SPINOSAD D		ND	2.500/8.330	
ETOXAZOLE	0.2 µg/g	ND	14.100/46.900	PASS	SPIROMESIFEN	0.2 µg/g	ND	15.200/50.700	PASS
FENOXYCARB	0.2 µg/g	ND	20.800/69.400	PASS	SPIROTETRAMAT	0.2 µg/g	ND	37.000/123.000	PASS
FENPYROXIMATE	0.4 µg/g	ND	45.800/153.000	PASS	SPIROXAMINE	0.4 µg/g	ND	12.800/42.600	PASS
FIPRONIL	0.4 µg/g	ND	47.000/156.000	PASS	TEBUCONAZOLE	0.4 µg/g	ND	39.200/131.000	PASS
FLONICAMID	1 µg/g	ND	23.100/77.100	PASS	THIACLOPRID	0.2 µg/g	ND	16.100/53.700	PASS
FLUDIOXONIL	0.4 µg/g	ND	11.500/38.100	PASS	THIAMETHOXAM	0.2 µg/g	ND	14.300/47.500	PASS
HEXYTHIAZOX	1 µg/g	ND	29.400/97.900	PASS	TRIFLOXYSTROBIN	0.2 µg/g	ND	19.500/65.000	PASS

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // OCT 14, 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	6.260/21.000	PASS	METHYL PARATHION	0.2 µg/g	ND	3.190/10.700	PASS



COL-027: TOTAL COLIFORMS // OCT 13, 2022

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

ASP-029: ASPERGILLUS SPP. // OCT 13, 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

STEC-030: SHIGA TOXIN PRODUCING E. COLI // OCT 13, 2022

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

SAL-030: SALMONELLA // OCT 13, 2022

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

TYM-028: TOTAL YEAST AND MOLD // OCT 14, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	10000 CFU/g	ND	PASS

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // OCT 12, 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	ND	0.026/0.500	PASS
CHROMIUM	2 µg/g	0.115 µg/g	0.027/0.500	PASS
COPPER		0.037 µg/g	0.045/0.500	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	0.5 µg/g	0.001 µg/g	0.017/0.500	PASS
MERCURY	3 µg/g	0.001 µg/g	0.004/0.050	PASS
NICKEL		0.012 µg/g	0.027/0.500	PASS

SOL-04: RESIDUAL SOLVENT ANALYSIS BY GC-MS/HS // OCT 14, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	5 µg/g	ND	0.400/1.340	PASS
2,2-DIMETHYLBUTANE	290 µg/g	ND	0.980/3.270	PASS
2,3-DIMETHYLBUTANE	290 µg/g	ND	2.190/7.320	PASS
2-METHYLBUTANE	5000 µg/g	ND	1.540/5.140	PASS
2-METHYLPENTANE	290 µg/g	ND	0.730/2.440	PASS
3-METHYLPENTANE	290 µg/g	ND	0.730/2.440	PASS
ACETONE	5000 µg/g	ND	1.570/5.230	PASS
ACETONITRILE	410 µg/g	ND	1.850/6.170	PASS
BENZENE	2 µg/g	ND	0.180/0.590	PASS
BUTANE	5000 µg/g	ND	1.680/5.590	PASS
BUTANES ALL ISOMERS *	5000 µg/g	ND		PASS
CHLOROFORM	60 µg/g	ND	0.780/2.590	PASS
ETHANOL	5000 µg/g	ND	6.020/20.100	PASS
ETHYL ACETATE	5000 µg/g	ND	1.950/6.490	PASS
ETHYLENE OXIDE	50 µg/g	ND	0.150/0.490	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ETHYL ETHER	5000 µg/g	ND	1.370/4.550	PASS
HEPTANE	5000 µg/g	ND	1.310/4.370	PASS
HEXANE	290 µg/g	ND	1.420/4.740	PASS
HEXANES ALL ISOMERS *	290 µg/g	ND		PASS
ISOBUTANE	5000 µg/g	ND	1.600/5.340	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	4.900/16.300	PASS
METHANOL	3000 µg/g	ND	7.890/26.400	PASS
METHYLENE CHLORIDE	600 µg/g	ND	1.360/4.530	PASS
NEOPENTANE	5000 µg/g	ND	1.490/4.970	PASS
PENTANE	5000 µg/g	ND	1.460/4.870	PASS
PENTANES ALL ISOMERS *	5000 µg/g	ND		PASS
PROPANE	5000 µg/g	ND	1.950/6.510	PASS
TOLUENE	890 µg/g	ND	1.880/6.260	PASS
TRICHLOROETHYLENE	80 µg/g	ND	0.290/0.960	PASS
TOTAL XYLENES	2170 µg/g	ND	2.020/6.720	PASS

* BEYOND SCOPE OF ACCREDITATION





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

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

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, ALPHA-TERPINEOL

SOL-04: RESIDUAL SOLVENT ANALYSIS BY GC-MS/HS

1,2-DICHLOROETHANE, 2,2-DIMETHYLBUTANE, 2,3-DIMETHYLBUTANE, 2-METHYLBUTANE, 2-METHYLPENTANE, 3-METHYLPENTANE, ACETONE, ACETONITRILE, BENZENE, BUTANE, CHLOROFORM, ETHANOL, ETHYL ACETATE, ETHYL ETHER, ETHYLENE OXIDE, HEPTANE, HEXANE, ISOBUTANE, ISOPROPYL ALCOHOL, METHANOL, METHYLENE CHLORIDE, NEOPENTANE, PENTANE, PROPANE, TOLUENE, TOTAL XYLENES, TRICHLOROETHYLENE, M-XYLENE, O-XYLENE, P- AND M-XYLENE, P-XYLENE

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

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

nūvitā QUALITY RELEASE

Sensory: N/A

Visual: N/A

Aroma: N/A

Flavor: N/A

Lab Report (COA): PASS

Signature: [Signature] Release Date: 10.17.22

