

CERTIFICATE OF ANALYSIS

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

PRODUCED: JAN 30, 2023

SAMPLE: CBG INFUSED FULL SPECTRUM CBD OIL BLEND (100068) (TINCTURE) // CLIENT: NUVITA CBD // BATCH: PASS
REFERENCE FINISHED PRODUCT LOTS 100069, 100071, 100075, 100076, 100077



MATRIX: TINCTURE
SAMPLE ID: CAM-230125-019
COLLECTED ON: JAN 25, 2023
RECEIVED ON: JAN 25, 2023
SAMPLE SIZE: 30 ML
SAMPLED BY: KAITLYN
RECEIVED BY: KAITLYN
SERVING/PACKAGE SIZE: 0.94 G / 28.2 G

CANNABINOID OVERVIEW

CBD: 26.8 mg/srv
CBG: 8.85 mg/srv
TOTAL CANNABINOIDS: 41.1 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 // JAN 27, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
CBC		0.245 %	2.45 mg/g	0.0517/0.172	N/A	THCV		ND	ND	0.0699/0.233	N/A
CBD		2.85 %	28.5 mg/g	0.109/0.363	N/A	TOTAL THC **		0.129 %	1.29 mg/g		N/A
CBDA		0.199 %	1.99 mg/g	0.142/0.474	N/A	TOTAL CBD **		3.02 %	30.2 mg/g		N/A
CBDV		ND	ND	0.0673/0.224	N/A	CBD/SRV		26.8 mg			N/A
CBG		0.941 %	9.41 mg/g	0.0576/0.192	N/A	Δ ⁸ + Δ ⁹ -THC/SRV		1.21 mg			PASS
CBGA		0.00538 %	0.0538 mg/g	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		1.21 mg			N/A
Δ ⁸ + Δ ⁹ -THC		0.129 %	1.29 mg/g			CBD/PKG		804 mg			N/A
Δ ⁸ -THC	10 %	ND	ND	0.0578/0.193	PASS	Δ ⁸ + Δ ⁹ -THC/PKG		36.4 mg			PASS
Δ ⁹ -THC		0.129 %	1.29 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		36.4 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 // JAN 27, 2023

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	0.179 %		N/A	CAMPHERE	ND	0.500/1.000	N/A
TRANS-CARYOPHYLLENE	0.066 %	0.500/1.000	N/A	CAMPHOR	ND	0.500/1.000	N/A
α-HUMULENE	0.027 %	0.500/1.000	N/A	CARYOPHYLLENE OXIDE	ND	0.500/1.000	N/A
α-BISABOLOL	0.022 %	0.500/1.000	N/A	CEDROL	ND	0.500/1.000	N/A
β-MYRCENE	0.020 %	0.500/1.000	N/A	CIS-NEROLIDOL	ND	0.500/1.000	N/A
GUAJOL	0.011 %	0.500/1.000	N/A	Δ ³ -CARENE	ND	0.500/1.000	N/A
α-TERPINEOL	0.008 %	0.500/1.000	N/A	DL-MENTHOL	ND	0.500/1.000	N/A
LIMONENE	0.006 %	0.500/1.000	N/A	EUCALYPTOL	ND	0.500/1.000	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.005 %	0.500/1.000	N/A	γ-TERPINENE	ND	0.500/1.000	N/A
CIS-β-OCIMENE	0.005 %	0.500/1.000	N/A	GERANYL ACETATE	ND	0.500/1.000	N/A
TRANS-NEROLIDOL	0.005 %	0.500/1.000	N/A	ISOBORNEOL	ND	0.500/1.000	N/A
LINALOOL	0.004 %	0.500/1.000	N/A	ISOPULEGOL	ND	0.500/1.000	N/A
(+)-FENCONE	ND	0.500/1.000	N/A	PULEGONE	ND	0.500/1.000	N/A
α-CEDRENE	ND	0.500/1.000	N/A	SABINENE	ND	0.500/1.000	N/A
α-PHELLANDRENE	ND	0.500/1.000	N/A	SABINENE HYDRATE	ND	0.500/1.000	N/A
α-PINENE	ND	0.500/1.000	N/A	TERPINOLENE	ND	0.500/1.000	N/A
α-TERPINENE	ND	0.500/1.000	N/A	TRANS-β-OCIMENE	ND	0.500/1.000	N/A

PERMENE
BORNEOL

ND 0.500/1.000
ND 0.500/1.000

PERMENE
N/A

ND 0.500/1.000

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
JAN 30, 2023

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
JAN 30, 2023



PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // JAN 27, 2023

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	6.400/21.400	PASS	METHYL PARATHION	0.2 µg/g	ND	3.260/11.000	PASS

PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // JAN 27, 2023

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	73.400/245.000	PASS	IMAZALIL	0.2 µg/g	ND	16.500/54.900	PASS
ACEPHATE	0.4 µg/g	ND	17.300/57.700	PASS	IMIDACLOPRID	0.4 µg/g	ND	36.100/120.000	PASS
ACEQUINOCYL	2 µg/g	ND	29.900/99.800	PASS	KRESOXIM-METHYL	0.4 µg/g	ND	12.600/42.000	PASS
ACETAMIPRID	0.2 µg/g	ND	15.400/51.300	PASS	MALATHION	0.2 µg/g	ND	16.600/55.400	PASS
ALDICARB	0.4 µg/g	ND	45.100/150.000	PASS	METALAXYL	0.2 µg/g	ND	18.700/62.200	PASS
AZOXYSTROBIN	0.2 µg/g	ND	11.100/37.100	PASS	METHIOCARB	0.2 µg/g	ND	14.700/49.000	PASS
BIFENAZATE	0.2 µg/g	ND	26.700/88.800	PASS	METHOMYL	0.4 µg/g	ND	10.000/33.400	PASS
BIFENTHRIN	0.2 µg/g	ND	15.500/51.600	PASS	MGK-264	0.2 µg/g	ND	20.400/68.100	PASS
BOSCALID	0.4 µg/g	ND	13.600/44.400	PASS	MYCLOBUTANIL	0.2 µg/g	ND	21.000/69.900	PASS
CARBARYL	0.2 µg/g	ND	12.800/42.800	PASS	NALED	0.5 µg/g	ND	24.400/81.500	PASS
CARBOFURAN	0.2 µg/g	ND	11.400/37.900	PASS	OXAMYL	1 µg/g	ND	37.500/125.000	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	26.100/87.100	PASS	PACLOBUTRAZOL	0.4 µg/g	ND	38.600/129.000	PASS
CHLORPYRIFOS	0.2 µg/g	ND	26.300/87.500	PASS	PERMETHRIN	0.2 µg/g	ND	40.200/134.000	PASS
CLOFENTEZINE	0.2 µg/g	ND	21.400/71.400	PASS	PHOSMET	0.2 µg/g	ND	25.400/84.800	PASS
CYFLUTHRIN	1 µg/g	ND	41.100/137.000	PASS	PRALLETHRIN	0.2 µg/g	ND	39.500/132.000	PASS
CYPERMETHRIN	1 µg/g	ND	29.400/98.200	PASS	PROPICONAZOLE	0.4 µg/g	ND	43.000/143.000	PASS
DAMINOZIDE	1 µg/g	ND	25.400/84.700	PASS	PROPOXUR	0.2 µg/g	ND	12.300/41.200	PASS
DIAZINON	0.2 µg/g	ND	19.800/66.000	PASS	PYRETHRINS	1 µg/g	ND	21.300/71.000	PASS
DICHLORVOS	1 µg/g	ND	13.300/44.500	PASS	PYRIDABEN	0.2 µg/g	ND	27.800/92.600	PASS
DIMETHOATE	0.2 µg/g	ND	13.000/43.400	PASS	SPINOSAD	0.2 µg/g	ND	6.270/20.900	PASS
ETHOPROPHOS	0.2 µg/g	ND	20.300/67.700	PASS	SPINOSAD A		ND	6.790/22.600	PASS
ETOFENPROX	0.4 µg/g	ND	15.300/50.900	PASS	SPINOSAD D		ND	2.560/8.510	PASS
ETOXAZOLE	0.2 µg/g	ND	14.400/47.900	PASS	SPIROMESIFEN	0.2 µg/g	ND	15.500/51.800	PASS
FENOXYCARB	0.2 µg/g	ND	21.200/70.800	PASS	SPIROTETRAMAT	0.2 µg/g	ND	37.700/126.000	PASS
FENPYROXIMATE	0.4 µg/g	ND	46.700/156.000	PASS	SPIROXAMINE	0.4 µg/g	ND	13.100/43.500	PASS
FIPRONIL	0.4 µg/g	ND	48.000/160.000	PASS	TEBUCONAZOLE	0.4 µg/g	ND	40.000/133.000	PASS
FLONICAMID	1 µg/g	ND	23.600/78.700	PASS	THIACLOPRID	0.2 µg/g	ND	16.400/54.800	PASS
FLUDIOXONIL	0.4 µg/g	ND	11.700/38.900	PASS	THIAMETHOXAM	0.2 µg/g	ND	14.600/48.500	PASS
HEXYTHIAZOX	1 µg/g	ND	30.000/100.000	PASS	TRIFLOXYSTROBIN	0.2 µg/g	ND	19.900/66.400	PASS



COL-027: TOTAL COLIFORMS // JAN 27, 2023

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

ASP-029: ASPERGILLUS SPP. // JAN 27, 2023

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 // JAN 27, 2023

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

SAL-030: SALMONELLA // JAN 27, 2023

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

TYM-028: TOTAL YEAST AND MOLD // JAN 30, 2023

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

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // JAN 27, 2023

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	< LOQ	0.026/0.500	PASS
CHROMIUM	2 µg/g	0.037 µg/g	0.027/0.500	PASS
COPPER		0.006 µg/g	0.045/0.500	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	0.5 µg/g	< LOQ	0.017/0.500	PASS
MERCURY	3 µg/g	ND	0.004/0.050	PASS
NICKEL		0.007 µg/g	0.027/0.500	N/A

SOL-04: RESIDUAL SOLVENT ANALYSIS BY GC-MS/HS // JAN 26, 2023

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, 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

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

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

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

nūvita QUALITY RELEASE

Sensory: pass
 Visual: pass
 Aroma: pass
 Flavor: pass
 Lab Report (COA): pass
 Signature: [Signature] Release Date: 1-30-23

