

CERTIFICATE OF ANALYSIS

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

PRODUCED: JUN 23, 2022

SAMPLE: GRL PWR CBG PRE-ROLLS (16822) (PRE-ROLL) // CLIENT: NUVITA CBD // BATCH: PASS

MATRIX: PRE-ROLL
 SAMPLE ID: CAM-220620-033
 COLLECTED ON: JUN 19, 2022
 RECEIVED ON: JUN 19, 2022
 SAMPLE SIZE: 35 UNITS
 SAMPLED BY: HANNAH HARDY
 RECEIVED BY: HANNAH HARDY

CANNABINOID OVERVIEW

CBGA: 9.74 %
 CBG: 0.51 %
 TOTAL CANNABINOIDS: 10.3 %

BATCH RESULT: PASS

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

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // JUN 23, 2022

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
CBC	0.0111 %	0.111 mg/g		0.0517/0.172	PASS	Δ ⁸ -THC		ND	ND	0.0578/0.193	PASS
CBD		ND	ND	0.109/0.363	PASS	Δ ⁹ -THC		ND	ND	0.102/0.34	PASS
CBDA		ND	ND	0.142/0.474	PASS	THCA	0.0377 %	0.377 mg/g		0.0883/0.294	PASS
CBDV		ND	ND	0.0673/0.224	PASS	THCV		ND	ND	0.0699/0.233	PASS
CBG	0.509 %	5.09 mg/g		0.0576/0.192	PASS	TOTAL THC **	0.0331 %	0.331 mg/g			PASS
CBGA	9.74 %	97.4 mg/g		0.0328/0.109	PASS	TOTAL CBD **		ND	ND		PASS
CBN		ND	ND	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 // JUN 22, 2022

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES *	0.103 %		PASS	GERANYL ACETATE	ND	0.5/1	PASS
GUAIOL	0.047 %	0.5/1	PASS	Δ ³ -CARENE	ND	0.5/1	PASS
CARYOPHYLLENE OXIDE	0.015 %	0.5/1	PASS	EUCALYPTOL	ND	0.5/1	PASS
CEDROL	0.012 %	0.5/1	PASS	(1R)-ENDO-(+)-FENCHYL ALCOHOL	ND	0.5/1	PASS
TRANS-CARYOPHYLLENE	0.011 %	0.5/1	PASS	CIS-NEROLIDOL	ND	0.5/1	PASS
LINALOOL *	0.009 %	0.5/1	PASS	CIS-β-OCIMENE	ND	0.5/1	PASS
TRANS-NEROLIDOL	0.009 %	0.5/1	PASS	CAMPHOR	ND	0.5/1	PASS
(+)-FENCHONE	ND	0.5/1	PASS	CAMPHENE	ND	0.5/1	PASS
ISOBORNEOL	ND	0.5/1	PASS	β-PINENE	ND	0.5/1	PASS
ISOPULEGOL	ND	0.5/1	PASS	β-MYRCENE	ND	0.5/1	PASS
PULEGONE	ND	0.5/1	PASS	α-TERPINENE	ND	0.5/1	PASS
LIMONENE	ND	0.5/1	PASS	α-PINENE	ND	0.5/1	PASS
γ-TERPINENE	ND	0.5/1	PASS	α-PHELLANDRENE	ND	0.5/1	PASS
SABINENE	ND	0.5/1	PASS	α-HUMULENE	ND	0.5/1	PASS
SABINENE HYDRATE	ND	0.5/1	PASS	α-CEDRENE	ND	0.5/1	PASS
TERPINOLENE	ND	0.5/1	PASS	α-BISABOLOL	ND	0.5/1	PASS
TRANS-β-OCIMENE	ND	0.5/1	PASS	VALENCENE	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: VERNON LACONE
LABORATORY DIRECTOR, CAMBIUM ANALYTICA
JUN 23, 2022

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
JUN 23, 2022



PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // JUN 22, 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	6.32/21.2	PASS	METHYL PARATHION	0.2 µg/g	ND	3.22/10.8	PASS

PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // JUN 22, 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	72.6/242	PASS	IMAZALIL	0.2 µg/g	ND	16.3/54.3	PASS
ACEPHATE	0.4 µg/g	ND	17.1/57	PASS	IMIDACLOPRID	0.4 µg/g	ND	35.7/119	PASS
ACEQUINOCYL	2 µg/g	ND	29.6/98.6	PASS	KRESOXIM-METHYL	0.4 µg/g	ND	12.5/41.5	PASS
ACETAMIPRID	0.2 µg/g	ND	15.2/50.7	PASS	MALATHION	0.2 µg/g	ND	16.4/54.7	PASS
ALDICARB	0.4 µg/g	ND	44.5/148	PASS	METALAXYL	0.2 µg/g	ND	18.4/61.5	PASS
AZOXYSTROBIN	0.2 µg/g	ND	11/36.7	PASS	METHIOCARB	0.2 µg/g	ND	14.6/48.5	PASS
BIFENAZATE	0.2 µg/g	ND	26.3/87.8	PASS	METHOMYL	0.4 µg/g	ND	9.9/33	PASS
BIFENTHRIN	0.2 µg/g	ND	15.3/51	PASS	MGK-264	0.2 µg/g	ND	20.2/67.3	PASS
BOSCALID	0.4 µg/g	ND	13.4/43.9	PASS	MYCLOBUTANIL	0.2 µg/g	ND	20.7/69.1	PASS
CARBARYL	0.2 µg/g	ND	12.7/42.3	PASS	NALED	0.5 µg/g	ND	24.1/80.5	PASS
CARBOFURAN	0.2 µg/g	ND	11.2/37.4	PASS	OXAMYL	1 µg/g	ND	37/123	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	25.8/86.1	PASS	PACLOBUTRAZOL	0.4 µg/g	ND	38.1/127	PASS
CHLORPYRIFOS	0.2 µg/g	ND	26/86.5	PASS	PERMETHRIN	0.2 µg/g	ND	39.7/132	PASS
CLOFENTEZINE	0.2 µg/g	ND	21.2/70.6	PASS	PHOSMET	0.2 µg/g	ND	25.1/83.8	PASS
CYFLUTHRIN	1 µg/g	ND	40.7/136	PASS	PRALLETHRIN	0.2 µg/g	ND	39.1/130	PASS
CYPERMETHRIN	1 µg/g	ND	29.1/97	PASS	PROPICONAZOLE	0.4 µg/g	ND	42.5/142	PASS
DAMINOZIDE	1 µg/g	ND	25.1/83.7	PASS	PROPOXUR	0.2 µg/g	ND	12.2/40.7	PASS
DIAZINON	0.2 µg/g	ND	19.6/65.2	PASS	PYRETHRINS	1 µg/g	ND	21.1/70.1	PASS
DICHLORVOS	1 µg/g	ND	13.2/44	PASS	PYRIDABEN	0.2 µg/g	ND	27.5/91.5	PASS
DIMETHOATE	0.2 µg/g	ND	12.9/42.9	PASS	SPINOSAD	0.2 µg/g	ND	6.19/20.7	PASS
ETHOPROPHOS	0.2 µg/g	ND	20.1/66.9	PASS	SPINOSAD A		ND	6.71/22.3	PASS
ETOFENPROX	0.4 µg/g	ND	15.1/50.3	PASS	SPINOSAD D		ND	2.53/8.41	PASS
ETOXAZOLE	0.2 µg/g	ND	14.2/47.4	PASS	SPIROMESIFEN	0.2 µg/g	ND	15.4/51.2	PASS
FENOXYCARB	0.2 µg/g	ND	21/70	PASS	SPIROTETRAMAT	0.2 µg/g	ND	37.3/124	PASS
FENPYROXIMATE	0.4 µg/g	ND	46.2/154	PASS	SPIROXAMINE	0.4 µg/g	ND	12.9/43	PASS
FIPRONIL	0.4 µg/g	ND	47.4/158	PASS	TEBUCONAZOLE	0.4 µg/g	ND	39.5/132	PASS
FLONICAMID	1 µg/g	ND	23.3/77.8	PASS	THIACLOPRID	0.2 µg/g	ND	16.3/54.2	PASS
FLUDIOXONIL	0.4 µg/g	ND	11.6/38.5	PASS	THIAMETHOXAM	0.2 µg/g	ND	14.4/48	PASS
HEXYTHIAZOX	1 µg/g	ND	29.6/98.8	PASS	TRIFLOXYSTROBIN	0.2 µg/g	ND	19.7/65.6	PASS



COL-027: TOTAL COLIFORMS // JUN 21, 2022

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

ASP-029: ASPERGILLUS SPP. // JUN 22, 2022

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

STEC-030: SHIGA TOXIN PRODUCING E. COLI // JUN 22, 2022

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

SAL-030: SALMONELLA // JUN 22, 2022

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

TYM-014, TYM-028: TOTAL YEAST AND MOLD // JUN 23, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	200 CFU/g	PASS

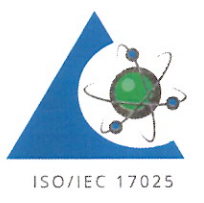
MET-05: HEAVY METALS ANALYSIS BY ICP-MS // JUN 21, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.4 µg/g	ND	0.0448/0.5	PASS	LEAD	1 µg/g	0.025 µg/g	0.0169/0.5	PASS
CADMIUM	0.4 µg/g	0.052 µg/g	0.0256/0.5	PASS	MERCURY	0.2 µg/g	0.004 µg/g	0.00439/0.05	PASS
CHROMIUM	1.2 µg/g	0.525 µg/g	0.0274/0.5	PASS	NICKEL	1 µg/g	0.181 µg/g	0.0271/0.5	PASS
COPPER	12.000 µg/g		0.0446/0.5						

AWA-09: WATER ACTIVITY // JUN 21, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.513 Aw	PASS

ACCREDITATIONS



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, THIACLOPRID, 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

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS
 CHLORFENAPYR, METHYL PARATHION

AWA-09: WATER ACTIVITY
 WATER ACTIVITY

nūvita QUALITY RELEASE

Sensory: N/A

Visual: N/A

Aroma: N/A

Flavor: N/A

Lab Report (COA): PASS

Signature: [Signature] Release Date: 6.24.22

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