

CERTIFICATE OF ANALYSIS

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

PRODUCED: APR 06, 2023

SAMPLE: ORGANIC PINA COLADA GUMMIES (NVGU216441) (EDIBLE SOLID) // CLIENT: NUVITA CBD // BATCH: **PASS**



MATRIX: EDIBLE SOLID
SAMPLE ID: CAM-230403-029
COLLECTED ON: APR 03, 2023
RECEIVED ON: APR 03, 2023
SAMPLE SIZE: 1 UNITS
SAMPLED BY: KAITLYN
SERVING/PACKAGE SIZE: 4.1198 G / 247.188 G

CANNABINOID OVERVIEW

CBD: 30.4 mg/srv
CBC: 1.42 mg/srv
TOTAL CANNABINOIDS: 33.8 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 // APR 06, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
CBC		0.0345 %	0.345 mg/g	0.0517/0.172		THCV		ND	ND	0.0699/0.233	
CBD		0.738 %	7.38 mg/g	0.109/0.363		TOTAL THC **		0.0250 %	0.25 mg/g		
CBDA		0.00807 %	0.0807 mg/g	0.142/0.474		TOTAL CBD **		0.745 %	7.45 mg/g		
CBDV		0.00413 %	0.0413 mg/g	0.0673/0.224		CBD/SRV		30.4 mg			
CBG		0.0105 %	0.105 mg/g	0.0576/0.192		Δ ⁸ + Δ ⁹ -THC/SRV	11 mg	1.03 mg			PASS
CBGA		0.000749 %	0.00749 mg/g	0.0328/0.109		Δ ⁸ -THC/SRV	1.1 mg	ND			PASS
CBN		0.000236 %	0.00236 mg/g	0.0848/0.283		Δ ⁹ -THC/SRV		1.03 mg			
Δ ⁸ + Δ ⁹ -THC		0.0250 %	0.25 mg/g			CBD/PKG		1820 mg			
Δ ⁸ -THC	10 %	ND	ND	0.0578/0.193	PASS	Δ ⁸ + Δ ⁹ -THC/PKG	220 mg	61.8 mg			PASS
Δ ⁹ -THC		0.0250 %	0.25 mg/g	0.102/0.340		Δ ⁸ -THC/PKG	22 mg	ND			PASS
THCA		ND	ND	0.0883/0.294		Δ ⁹ -THC/PKG		61.8 mg			

** 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 // APR 05, 2023

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	ND			Δ ³ -CARENE	ND	0.500/1.000	
(+)-FENCHONE	ND	0.500/1.000		DL-MENTHOL	ND	0.500/1.000	
(1R)-ENDO-(+)-FENCHYL ALCOHOL	ND	0.500/1.000		EUCALYPTOL	ND	0.500/1.000	
α-BISABOLOL	ND	0.500/1.000		γ-TERPINENE	ND	0.500/1.000	
α-CEDRENE	ND	0.500/1.000		GERANYL ACETATE	ND	0.500/1.000	
α-HUMULENE	ND	0.500/1.000		GUAIOL	ND	0.500/1.000	
α-PHELLANDRENE	ND	0.500/1.000		ISOBORNEOL	ND	0.500/1.000	
α-PINENE	ND	0.500/1.000		ISOPULEGOL	ND	0.500/1.000	
α-TERPINENE	ND	0.500/1.000		LIMONENE	ND	0.500/1.000	
α-TERPINEOL	ND	0.500/1.000		LINALOOL	ND	0.500/1.000	
β-MYRCENE	ND	0.500/1.000		PULEGONE	ND	0.500/1.000	
β-PINENE	ND	0.500/1.000		SABINENE	ND	0.500/1.000	
BORNEOL	ND	0.500/1.000		SABINENE HYDRATE	ND	0.500/1.000	
CAMPHENE	ND	0.500/1.000		TERPINOLENE	ND	0.500/1.000	
CAMPHOR	ND	0.500/1.000		TRANS-β-OCIMENE	ND	0.500/1.000	
CARYOPHYLLENE OXIDE	ND	0.500/1.000		TRANS-CARYOPHYLLENE	ND	0.500/1.000	

GERANIOL
CIS- β -OCIMENE
CIS-NEROLIDOL

ND 0.500/1.000
ND 0.500/1.000
ND 0.500/1.000

TRANS-NEROLIDOL
VALENCENE

ND 0.500/1.000
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
APR 06, 2023

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
APR 06, 2023



PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // APR 05, 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	5.990/20.000	PASS	METHYL PARATHION	0.2 µg/g	ND	3.050/10.300	PASS

PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // APR 05, 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	68.700/229.000	PASS	IMAZALIL	0.2 µg/g	ND	15.400/51.400	PASS
ACEPHATE	0.4 µg/g	ND	16.200/54.000	PASS	IMIDACLOPRID	0.4 µg/g	ND	33.800/113.000	PASS
ACEQUINOCYL	2 µg/g	ND	28.000/93.400	PASS	KRESOXIM-METHYL	0.4 µg/g	ND	11.800/39.300	PASS
ACETAMIPRID	0.2 µg/g	ND	14.400/48.000	PASS	MALATHION	0.2 µg/g	ND	15.500/51.800	PASS
ALDICARB	0.4 µg/g	ND	42.200/141.000	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	25.000/83.100	PASS	METHOMYL	0.4 µg/g	ND	9.380/31.300	PASS
BIFENTHRIN	0.2 µg/g	ND	14.500/48.300	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	22.900/76.300	PASS
CARBOFURAN	0.2 µg/g	ND	10.600/35.400	PASS	OXAMYL	1 µg/g	ND	35.100/117.000	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	24.500/81.500	PASS	PACLOBUTRAZOL	0.4 µg/g	ND	36.100/120.000	PASS
CHLORPYRIFOS	0.2 µg/g	ND	24.600/81.900	PASS	PERMETHRIN	0.2 µg/g	ND	37.600/125.000	PASS
CLOFENTEZINE	0.2 µg/g	ND	20.100/66.900	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	27.600/91.900	PASS	PROPICONAZOLE	0.4 µg/g	ND	40.300/134.000	PASS
DAMINOZIDE	1 µg/g	ND	23.800/79.300	PASS	PROPOXUR	0.2 µg/g	ND	11.600/38.600	PASS
DIAZINON	0.2 µg/g	ND	18.500/61.800	PASS	PYRETHRINS	1 µg/g	ND	19.900/66.400	PASS
DICHLORVOS	1 µg/g	ND	12.500/41.700	PASS	PYRIDABEN	0.2 µg/g	ND	26.000/86.700	PASS
DIMETHOATE	0.2 µg/g	ND	12.200/40.600	PASS	SPINOSAD	0.2 µg/g	ND	5.870/19.600	PASS
ETHOPROPHOS	0.2 µg/g	ND	19.000/63.400	PASS	SPINOSAD A		ND	6.350/21.100	
ETOFENPROX	0.4 µg/g	ND	14.300/47.700	PASS	SPINOSAD D		ND	2.390/7.970	
ETOXAZOLE	0.2 µg/g	ND	13.500/44.900	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	44.900/150.000	PASS	TEBUCONAZOLE	0.4 µg/g	ND	37.400/125.000	PASS
FLONICAMID	1 µg/g	ND	22.100/73.700	PASS	THIACLOPRID	0.2 µg/g	ND	15.400/51.300	PASS
FLUDIOXONIL	0.4 µg/g	ND	10.900/36.500	PASS	THIAMETHOXAM	0.2 µg/g	ND	13.600/45.400	PASS
HEXYTHIAZOX	1 µg/g	ND	28.100/93.600	PASS	TRIFLOXYSTROB-IN	0.2 µg/g	ND	18.600/62.100	PASS



COL-027: TOTAL COLIFORMS // APR 05, 2023

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

ASP-029: ASPERGILLUS SPP. // APR 05, 2023

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				

SAL-030: SALMONELLA // APR 06, 2023

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

STEC-030: SHIGA TOXIN PRODUCING E. COLI // APR 06, 2023

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

TYM-014, TYM-028: TOTAL YEAST AND MOLD // APR 06, 2023

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

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // APR 04, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	1.5 µg/g	ND	0.045/0.500	PASS	LEAD	0.5 µg/g	0.010 µg/g	0.017/0.500	PASS
CADMIUM	0.5 µg/g	< LOQ	0.026/0.500	PASS	MERCURY	3 µg/g	ND	0.004/0.050	PASS
CHROMIUM	2 µg/g	0.062 µg/g	0.027/0.500	PASS	NICKEL		0.028 µg/g	0.027/0.500	
COPPER		0.228 µg/g	0.045/0.500						

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

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	5 µg/g	ND	0.400/1.340	PASS	ETHYL ETHER	5000 µg/g	ND	1.370/4.550	PASS
2,2-DIMETHYLBUTANE	290 µg/g	ND	0.980/3.270	PASS	HEPTANE	5000 µg/g	ND	1.310/4.370	PASS
2,3-DIMETHYLBUTANE	290 µg/g	ND	2.190/7.320	PASS	HEXANE	290 µg/g	ND	1.420/4.740	PASS
2-METHYLBUTANE	5000 µg/g	ND	1.540/5.140	PASS	HEXANES ALL ISOMERS *	290 µg/g	ND		PASS
2-METHYLPENTANE	290 µg/g	ND	0.730/2.440	PASS	ISOBUTANE	5000 µg/g	ND	1.600/5.340	PASS
3-METHYLPENTANE	290 µg/g	ND	0.730/2.440	PASS	ISOPROPYL ALCOHOL	5000 µg/g	ND	4.900/16.300	PASS
ACETONE	5000 µg/g	ND	1.570/5.230	PASS	METHANOL	3000 µg/g	ND	7.890/26.400	PASS
ACETONITRILE	410 µg/g	ND	1.850/6.170	PASS	METHYLENE CHLORIDE	600 µg/g	ND	1.360/4.530	PASS
BENZENE	2 µg/g	ND	0.180/0.590	PASS	NEOPENTANE	5000 µg/g	ND	1.490/4.970	PASS
BUTANE	5000 µg/g	ND	1.680/5.590	PASS	PENTANE	5000 µg/g	ND	1.460/4.870	PASS
BUTANES ALL ISOMERS *	5000 µg/g	ND		PASS	PENTANES ALL ISOMERS *	5000 µg/g	ND		PASS
CHLOROFORM	60 µg/g	ND	0.780/2.590	PASS	PROPANE	5000 µg/g	ND	1.950/6.510	PASS
ETHANOL	5000 µg/g	ND	6.020/20.100	PASS	TOLUENE	890 µg/g	ND	1.880/6.260	PASS
ETHYL ACETATE	5000 µg/g	ND	1.950/6.490	PASS	TRICHLOROETHYLENE	80 µg/g	ND	0.290/0.960	PASS
ETHYLENE OXIDE	50 µg/g	ND	0.150/0.490	PASS	TOTAL XYLENES	2170 µg/g	ND	2.020/6.720	PASS

* BEYOND SCOPE OF ACCREDITATION



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

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

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nüvita QUALITY RELEASE

Sensory: pass
 Visual: pass
 Aroma: pass
 Flavor: pass
 Lab Report (COA): pass
 Signature: [Signature] Release Date: 4-10-23

