

# CERTIFICATE OF ANALYSIS



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**SAMPLE NAME:** DREAM BERRY CBN INFUSED GUMMIES (N1337C4086)

**SAMPLE CODE:** HEM-240327-001

**CLIENT:** NUVITA CBD

**BATCH RESULT:** PASS



**MATRIX NAME:** Edible Solid - Gummy  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Mon, Apr 1, 2024  
**PUBLISHED DATE:** Thu, Apr 4, 2024  
**BATCH CODE:** Reference Finished Product  
Number(s): N1337C4086  
**BATCH SIZE:** 0  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 3.9406g (1 gummy)

TOTAL CANNABINOIDS 39.93 mg/ serv

TOTAL THC 0.76 mg/ serv

TOTAL CBD 28.17 mg/ serv

TOTAL TERPENES ND

<b>POT</b> ✓ Cannabinoids Potency	<b>TRP</b> ✓ Terpenes	<b>SOL</b> ✓ Residual Solvents USP <467>	<b>ASP</b> ✓ Aspergillus qPCR	<b>COL</b> ✓ Total Coliforms Plate
<b>PGC</b> ✓ Chemical Residue MI Cannabis	<b>PLC</b> ✓ Chemical Residue MI Cannabis	<b>SS</b> ✓ Salmonella & STEC qPCR	<b>TYMFD</b> ✓ Total Yeast & Mold Plate	<b>HVMET</b> ✓ Heavy Metals 4

**RESULTS REVIEWED BY:** Leslie Varela  
Laboratory Director  
Cambium Analytica  
Thursday, Apr 4, 2024

**RESULTS CERTIFIED BY:** Douglas Smith  
VP - Scientific Operations  
Cambium Analytica  
Thursday, Apr 4, 2024

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**LAB-TM-025 - DETERMINATION OF POTENCY OF CANNABIS AND CANNABIS INFUSED PRODUCTS ACN**  
 POT-HEM-240327-001-04 - TUE, APR 2, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Total Cannabinoids	1.0132 %	10.1321 mg/g	39.93 mg	39.93 mg	N/A			N/A
CBD	0.7150 %	7.1496 mg/g	28.17 mg	28.17 mg	N/A	0.6432 ug/g	5.401 ug/g	N/A
Total CBD	0.7150 %	7.1496 mg/g	28.17 mg	28.17 mg	N/A			N/A
CBN	0.2349 %	2.3490 mg/g	9.26 mg	9.26 mg	N/A	0.3561 ug/g	4.3163 ug/g	N/A
CBC	0.0270 %	0.2701 mg/g	1.06 mg	1.06 mg	N/A	0.4372 ug/g	4.843 ug/g	N/A
Delta-9 THC	0.0193 %	0.1929 mg/g	0.76 mg	0.76 mg	N/A	0.4945 ug/g	1.516 ug/g	N/A
Total THC	0.0193 %	0.1929 mg/g	0.76 mg	0.76 mg	N/A			N/A
CBG	0.0101 %	0.1012 mg/g	0.40 mg	0.40 mg	N/A	0.2073 ug/g	0.8539 ug/g	N/A
CBDV	0.0069 %	0.0693 mg/g	0.27 mg	0.27 mg	N/A	0.0919 ug/g	0.4418 ug/g	N/A
CBDA	ND	ND	ND	ND	N/A	0.0886 ug/g	0.2949 ug/g	N/A
CBGA	ND	ND	ND	ND	N/A	0.4596 ug/g	4.8149 ug/g	N/A
Delta-8 THC	ND	ND	ND	ND	N/A	0.4043 ug/g	4.5669 ug/g	N/A
Delta-8 THCV	ND	ND	ND	ND	N/A	0.050425 ug/g	0.339339 ug/g	N/A
Delta-9 THCV	ND	ND	ND	ND	N/A	0.269941 ug/g	0.403267 ug/g	N/A
THCA	ND	ND	ND	ND	N/A	0.4497 ug/g	4.9472 ug/g	N/A
Total THCV	ND	ND	N/A	N/A	N/A			N/A



**LAB-TM-012 - DETERMINATION OF TERPENES BY GC-MS**  
 TRP-HEM-240327-001-01 - WED, MAR 27, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,R-Endo-Fenchyl Alcohol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Bisabolol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Cedrene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Humulene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Phellandrene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Pinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Terpinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Terpineol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Beta Myrcene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Beta Pinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Borneol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Camphene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Camphor	ND	N/A	0.5 ug/g	1 ug/g	N/A
Caryophyllene Oxide	ND	N/A	0.5 ug/g	1 ug/g	N/A
Cedrol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Cis Beta Ocimene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Cis Nerolidol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Delta-3 Carene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Eucalyptol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Fenchone	ND	N/A	0.5 ug/g	1 ug/g	N/A
Gamma Terpinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Geranyl Acetate	ND	N/A	0.5 ug/g	1 ug/g	N/A
Guaiol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Isoborneol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Isopulegol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Limonene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Linalool	ND	N/A	0.5 ug/g	1 ug/g	N/A
Pulegone	ND	N/A	0.5 ug/g	1 ug/g	N/A
Sabinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Sabinene Hydrate	ND	N/A	0.5 ug/g	1 ug/g	N/A
Terpinolene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Trans Beta Ocimene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Trans Caryophyllene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Trans Nerolidol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Valencene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Total Terpenes	ND	N/A	0.5 ug/g	1 ug/g	N/A



**LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS**  
 SOL-HEM-240327-001-01 - WED, MAR 27, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	5 ug/g	0.4 ug/g	1.34 ug/g	PASS
2-Methylbutane	ND	290 ug/g	1.54 ug/g	5.14 ug/g	PASS
2-Methylpentane	ND	290 ug/g	0.0462 ug/g	0.154 ug/g	PASS
2,2-Dimethylbutane	ND	290 ug/g	0.98 ug/g	3.27 ug/g	PASS
2,3-Dimethylbutane	ND	290 ug/g	2.19 ug/g	7.32 ug/g	PASS
3-Methylpentane	ND	290 ug/g	0.73 ug/g	2.44 ug/g	PASS
Acetone	ND	5000 ug/g	1.57 ug/g	5.23 ug/g	PASS
Acetonitrile	ND	410 ug/g	1.85 ug/g	6.17 ug/g	PASS
Benzene	ND	2 ug/g	0.18 ug/g	0.59 ug/g	PASS
Butane	ND	5000 ug/g	1.68 ug/g	5.59 ug/g	PASS
Butanes (Sum of Butane and Isobutane)	ND	5000 ug/g			PASS
Chloroform	ND	60 ug/g	0.78 ug/g	2.59 ug/g	PASS
Ethanol	510.374 ug/g	10000 ug/g	6.02 ug/g	20.1 ug/g	PASS
Ethyl Acetate	ND	5000 ug/g	1.95 ug/g	6.49 ug/g	PASS
Ethyl Ether	ND	5000 ug/g	1.37 ug/g	4.55 ug/g	PASS
Ethylene Oxide	ND	50 ug/g	0.15 ug/g	0.49 ug/g	PASS
Heptane	ND	5000 ug/g	1.31 ug/g	4.37 ug/g	PASS
Hexane	ND	290 ug/g	1.42 ug/g	4.74 ug/g	PASS
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	290 ug/g			PASS
Isobutane	ND	5000 ug/g	1.6 ug/g	5.34 ug/g	PASS
Isopropyl Alcohol	ND	5000 ug/g	4.9 ug/g	16.3 ug/g	PASS
Methanol	ND	3000 ug/g	7.89 ug/g	26.4 ug/g	PASS
Methylene Chloride	ND	600 ug/g	1.36 ug/g	4.53 ug/g	PASS
Neopentane	ND	5000 ug/g	1.49 ug/g	4.97 ug/g	PASS
Pentane	ND	5000 ug/g	1.46 ug/g	4.87 ug/g	PASS
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	5000 ug/g			PASS
Propane	ND	5000 ug/g	1.95 ug/g	6.51 ug/g	PASS
Toluene	ND	890 ug/g	1.88 ug/g	6.26 ug/g	PASS
Total Xylenes	ND	2170 ug/g	2.02 ug/g	6.72 ug/g	PASS
Trichloroethylene	ND	80 ug/g	0.29 ug/g	0.96 ug/g	PASS



**LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR**  
 ASP-HEM-240327-001-01 - WED, MAR 27, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aspergillus Flavus	ND	Detection			PASS
Aspergillus Fumigatus	ND	Detection			PASS
Aspergillus Niger	ND	Detection			PASS
Aspergillus Spp	ND	Detection			PASS
Aspergillus Terreus	ND	Detection			PASS

**LAB-TM-026 - ENUMERATION OF TOTAL COLIFORMS ON 3M CC PLATES**  
 COL-HEM-240327-001-01 - WED, MAR 27, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Coliforms	ND	100 CFU/g	10 CFU/g	10 CFU/g	PASS

**LAB-TM-003 - DETERMINATION OF CHEMICAL RESIDUE OF CANNABIS AND CANNABIS INFUSED PRODUCTS BY GC**  
 PGC-HEM-240327-001-01 - WED, MAR 27, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Chlorfenapyr	ND	1 ug/g	6.110 ug/kg	20.400 ug/kg	PASS
Methyl Parathion	ND	0.2 ug/g	3.120 ug/kg	10.500 ug/kg	PASS



LAB-TM-002 - DETERMINATION OF CHEMICAL RESIDUE OF CANNABIS AND CANNABIS INFUSED PRODUCTS BY LC-TQ  
 PLC-HEM-240327-001-01 - WED, MAR 27, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Abamectin	ND	0.5 ug/g	0.05 ug/g	0.10 ug/g	PASS
Acephate	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Acequinocyl	ND	2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Acetamiprid	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Aldicarb	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Azoxystrobin	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Bifenazate	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Bifenthrin	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Boscalid	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Carbaryl	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Carbofuran	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Chlorantraniliprole	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Chlorpyrifos	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Clofentezine	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Cyfluthrin	ND	1 ug/g	0.05 ug/g	0.10 ug/g	PASS
Cypermethrin	ND	1 ug/g	0.05 ug/g	0.10 ug/g	PASS
Daminozide	ND	1 ug/g	0.05 ug/g	0.10 ug/g	PASS
Diazinon	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Dichlorvos	ND	1 ug/g	0.05 ug/g	0.10 ug/g	PASS
Dimethoate	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Ethoprophos	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Etofenprox	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Etoazole	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Fenoxycarb	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Fenpyroximate	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Fipronil	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Fonicamid	ND	1 ug/g	0.05 ug/g	0.10 ug/g	PASS
Fludioxonil	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Hexythiazox	ND	1 ug/g	0.05 ug/g	0.10 ug/g	PASS
Imazalil	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Imidacloprid	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Kresoxim Methyl	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
Malathion	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Metalaxyl	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Methiocarb	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Methomyl	ND	0.4 ug/g	0.05 ug/g	0.10 ug/g	PASS
MGK-264	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Myclobutanil	ND	0.2 ug/g	0.05 ug/g	0.10 ug/g	PASS
Naled	ND	0.5 ug/g	0.05 ug/g	0.10 ug/g	PASS
Oxamyl	ND	1 ug/g	0.05 ug/g	0.10 ug/g	PASS



LAB-TM-002 - DETERMINATION OF CHEMICAL RESIDUE OF CANNABIS AND CANNABIS INFUSED PRODUCTS BY LC-TQ  
 PLC-HEM-240327-001-01 - WED, MAR 27, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Paclobutrazol	ND	0.4 µg/g	0.05 µg/g	0.10 µg/g	PASS
Permethrins (Sum of Cis- and Trans-Permethrin)	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Phosmet	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Prallethrin	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Propiconazole	ND	0.4 µg/g	0.05 µg/g	0.10 µg/g	PASS
Propoxur	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	1 µg/g	0.05 µg/g	0.10 µg/g	PASS
Pyrethrins Cinerin 1	ND	N/A	0.05 µg/g	0.10 µg/g	N/A
Pyrethrins Jasmolin 1	ND	N/A	0.05 µg/g	0.10 µg/g	N/A
Pyrethrins Pyrethrin 1	ND	N/A	0.05 µg/g	0.10 µg/g	N/A
Pyridaben	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Spinosad	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Spinosad A	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Spinosad D	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Spiromesifen	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Spirotetramat	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Spiroxamine	ND	0.4 µg/g	0.05 µg/g	0.10 µg/g	PASS
Tebuconazole	ND	0.4 µg/g	0.05 µg/g	0.10 µg/g	PASS
Thiacloprid	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Thiamethoxam	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS
Trifloxystrobin	ND	0.2 µg/g	0.05 µg/g	0.10 µg/g	PASS



**LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR**  
 SS-HEM-240327-001-01 - WED, MAR 27, 2024


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	Detection			PASS
Shiga Toxin Producing E. coli	ND	Detection			PASS

**LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS**  
 TYMFD-HEM-240327-001-01 - WED, MAR 27, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	10 CFU/g	10000 CFU/g	10 CFU/g	10 CFU/g	PASS

**LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS**  
 HYMET-HEM-240327-001-01 - WED, MAR 27, 2024


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.021 ug/g	1.5 ug/g	0.2817 ug/kg	0.2817 ug/kg	PASS
Cadmium	ND	0.5 ug/g	0.6272 ug/kg	2.0907 ug/kg	PASS
Lead	0.008 ug/g	0.5 ug/g	0.1546 ug/kg	0.5152 ug/kg	PASS
Mercury	0.001 ug/g	3 ug/g	0.0817 ug/kg	0.2724 ug/kg	PASS

