CERTIFICATE OF ANALYSIS

Sample ID: ET000946368NP
Product: Distillate CBD oil 15%+3%CBN
Matrix: Concentrates
Type: Distillate
Sample Size: 0.9mg

Client: Nature-Pharm
Collected: 10/03/2023
Received: 11/03/2023
Completed: 22/03/2023
Batch#:GY23858NP

Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.070	0.220	0.589	0.62	Density =
Cannabichromenic Acid (CBCA)	0.064	0.201	0.318	0.33	0.945g/mL
Cannabidiol (CBD)	0.195	0.597	15.211	15.3	
Cannabidiolic Acid (CBDA)	0.201	0.612	ND	ND	
Cannabidivarin (CBDV)	0.046	0.141	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.084	0.255	ND	ND	
Cannabigerol (CBG)	0.040	0.125	0.889	0.90	
Cannabigerolic Acid (CBGA)	0.167	0.522	ND	ND	
Cannabinol (CBN)	0.052	0.163	3.131	3.2	
Cannabinolic Acid (CBNA)	0.114	0.356	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.198	0.622	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.180	0.218	0.144	0.16	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.160	0.501	ND	ND	
Tetrahydrocannabivarin (THCV)	0.036	0.114	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.141	0.442	ND	ND	
Total Cannabinoids			**20.282**	**20.51**	
Total Potential THC			0.144	0.16	
Total Potential CBD			15.211	15.3	

Total CBD	Total THC	Total Cannabinoids
15.3%	**0.16%**	**20.51%**

Final Approval

Jeremy Longo

PREPARED BY / DATE

Jeremy Longo
Laboratory Manager
22Mar2023
08:41:00 PM

Nickol Mulner

APPROVED BY / DATE

Nickol Mulner
Technology Manager
22Mar2023
08:53:00 PM

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877).

Sampling Procedure: SOP HL 110.2; Foreign Material: UV light/Microscope SOP HL 323, SOP HL 324; Water Activity: Water Activity Meter SOP HL 238; Moisture: Drying Oven SOP HL217.1;All LQC ran in accordance with 16 CCR sec. 5730. This product has been tested by Endotech Applications. using valid testing methodologies and a quality system as required by state law.

CERTIFICATE OF ANALYSIS

Sample ID: ET000946368NP
Product: Distillate CBD oil 15%+3%CBN
Matrix: Concentrates
Type: Distillate
Sample Size: 0.9mg

Client: Nature-Pharm
Collected: 10/03/2023
Received: 11/03/2023
Completed: 22/03/2023
Batch#:GY23858NP

Pesticides Pass

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.03	0.1	0.1	ND	Pass	Fludioxonil	0.03	0.1	0.1	ND	Pass
Acephate	0.03	0.1	0.1	ND	Pass	Hexythiazox	0.03	0.1	0.1	ND	Pass
Acequinocyl	0.03	0.1	0.1	ND	Pass	Imazalil	0.03	0.1	0.03	ND	Pass
Acetamiprid	0.03	0.1	0.1	ND	Pass	Imidacloprid	0.03	0.1	5	ND	Pass
Aldicarb	0.03	0.1	0.03	ND	Pass	Kresoxim Methyl	0.03	0.1	0.1	ND	Pass
Azoxystrobin	0.03	0.1	0.1	ND	Pass	Malathion	0.03	0.1	0.5	ND	Pass
Bifenazate	0.03	0.1	0.1	ND	Pass	Metalaxyl	0.03	0.1	2	ND	Pass
Bifenthrin	0.03	0.1	3	ND	Pass	Methiocarb	0.03	0.1	0.03	ND	Pass
Boscalid	0.03	0.1	0.1	ND	Pass	Methomyl	0.03	0.1	1	ND	Pass
Captan	0.03	0.1	0.7	ND	Pass	Mevinphos	0.03	0.1	0.03	ND	Pass
Carbaryl	0.03	0.1	0.5	ND	Pass	Myclobutanil	0.03	0.1	0.1	ND	Pass
Carbofuran	0.03	0.1	0.03	ND	Pass	Naled	0.03	0.1	0.1	ND	Pass
Chlorantraniliprole	0.03	0.1	10	ND	Pass	Oxamyl	0.03	0.1	0.5	ND	Pass
Chlordane	0.03	0.1	0.03	ND	Pass	Paclobutrazol	0.03	0.1	0.03	ND	Pass
Chlorfenapyr	0.03	0.1	0.03	ND	Pass	Parathion Methyl	0.03	0.1	0.03	ND	Pass
Chlorpyrifos	0.03	0.1	0.03	ND	Pass	Pentachloronitrobenzene	0.03	0.1	0.1	ND	Pass
Clofentezine	0.03	0.1	0.1	ND	Pass	Permethrin	0.03	0.1	0.5	ND	Pass
Coumaphos	0.03	0.1	0.03	ND	Pass	Phosmet	0.03	0.1	0.1	ND	Pass
Cypermethrin	0.03	0.1	1	ND	Pass	Piperonyl Butoxide	0.03	0.1	3	ND	Pass
Daminozide	0.03	0.1	0.03	ND	Pass	Prallethrin	0.03	0.1	0.1	ND	Pass
Diazinon	0.03	0.1	0.1	ND	Pass	Propiconazole	0.03	0.1	0.1	ND	Pass
Dichlorvos	0.03	0.1	0.03	ND	Pass	Propoxur	0.03	0.1	0.03	ND	Pass
Dimethoate	0.03	0.1	0.03	ND	Pass	Pyrethrins	0.03	0.1	0.5	ND	Pass
Dimethomorph	0.03	0.1	2	ND	Pass	Pyridaben	0.03	0.1	0.1	ND	Pass
Ethoprophos	0.03	0.1	0.03	ND	Pass	Spinetoram	0.03	0.1	0.1	ND	Pass
Etofenprox	0.03	0.1	0.03	ND	Pass	Spinosad	0.03	0.1	0.1	ND	Pass
Etoxazole	0.03	0.1	0.1	ND	Pass	Spiromesifen	0.03	0.1	0.1	ND	Pass
Fenhexamid	0.03	0.1	0.1	ND	Pass	Spirotetramat	0.03	0.1	0.1	ND	Pass
Fenoxycarb	0.03	0.1	0.03	ND	Pass	Spiroxamine	0.03	0.1	0.03	ND	Pass
Fenpyroximate	0.03	0.1	0.1	ND	Pass	Tebuconazole	0.03	0.1	0.1	ND	Pass
Fipronil	0.03	0.1	0.03	ND	Pass	Thiacloprid	0.03	0.1	0.03	ND	Pass
Flonicamid	0.03	0.1	0.1	ND	Pass	Thiamethoxam	0.03	0.1	5	ND	Pass
						Trifloxystrobin	0.03	0.1	0.1	ND	Pass

Final Approval

Jeremy Longo

PREPARED BY / DATE

Jeremy Longo
Laboratory Manager
22Mar 2023
08:41:00 PM MST

Nickol Mulner

APPROVED BY / DATE

Nickol Mulner
Technology Manager
22Mar 2023
08:53:00 PM MST

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877).
Sampling Procedure: SOP HL 110.2; Foreign Material: UV light/Microscope SOP HL 323, SOP HL 324; Water Activity: Water Activity Meter SOP HL 238; Moisture: Drying Oven SOP HL217.1;All LQC ran in accordance with 16 CCR sec. 5730. This product has been tested by Endotech Applications. using valid testing methodologies and a quality system as required by state law.

CERTIFICATE OF ANALYSIS

Sample ID: ET000946368NP
Product: Distillate CBD oil 15%+3%CBN
Matrix: Concentrates
Type: Distillate
Sample Size: 0.9mg

Client: Nature-Pharm
Collected: 10/03/2023
Received: 11/03/2023
Completed: 22/03/2023
Batch#:GY23858NP

Residual Solvents

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	1	1	1	ND	Pass
Acetone	1	10	5000	<LOQ	Pass
Acetonitrile	1	5	410	ND	Pass
Benzene	1	1	1	ND	Pass
Butane	1	25	5000	ND	Pass
Chloroform	1	1	1	ND	Pass
Ethanol	1	10	5000	26.8	Pass
Ethyl-Acetate	1	10	5000	ND	Pass
Ethyl-Ether	1	10	5000	ND	Pass
Ethylene Oxide	1	1	1	ND	Pass
Heptane	1	10	5000	ND	Pass
Isopropanol	1	10	5000	ND	Pass
Methanol	1	10	3000	<LOQ	Pass
Methylene-Chloride	1	1	1	ND	Pass
n-Hexane	1	10	290	ND	Pass
Pentane	1	10	5000	ND	Pass
Propane	1	10	5000	ND	Pass
Toluene	1	10	890	ND	Pass
Trichloroethene	1	1	1	ND	Pass
Xylenes	1	10	2170	104.1	Pass

Final Approval

Jeremy Longo

PREPARED BY / DATE

Jeremy Longo
Laboratory Manager
22Mar 2023
08:41:00 PM MST

Nickol Mulner

APPROVED BY / DATE

Nickol Mulner
Technology Manager
22Mar 2023
08:53:00 PM MST

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877).
Sampling Procedure: SOP HL 110.2; Foreign Material: UV light/Microscope SOP HL 323, SOP HL 324; Water Activity: Water Activity Meter SOP HL 238; Moisture: Drying Oven SOP HL217.1;All LQC ran in accordance with 16 CCR sec. 5730. This product has been tested by Endotech Applications. using valid testing methodologies and a quality system as required by state law.

CERTIFICATE OF ANALYSIS

Sample ID: ET000946368NP
Product: Distillate CBD oil 15%+3%CBN
Matrix: Concentrates
Type: Distillate
Sample Size: 0.9mg

Client: Nature-Pharm
Collected: 10/03/2023
Received: 11/03/2023
Completed: 22/03/2023
Batch#:GY23858NP

Microbials

Analytics	Units	Status
	CFU/g	
Aerobic Plate Count	NR	NT
Aspergillus flavus	Not Detected in 1g	Pass
Aspergillus fumigatus	Not Detected in 1g	Pass
Aspergillus niger	Not Detected in 1g	Pass
Aspergillus terreus	Not Detected in 1g	Pass
Shiga Toxin-producing E. coli	Not Detected in 1g	Pass
Salmonella SPP	Not Detected in 1g	Pass
Yeast & Mold	Not Detected in 1g	Pass

Final Approval

Jeremy Longo

PREPARED BY / DATE

Jeremy Longo
Laboratory Manager
22Mar 2023
08:41:00 PM MST

Nickol Mulner

APPROVED BY / DATE

Nickol Mulner
Technology Manager
22Mar 2023
08:53:00 PM MST

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877).
Sampling Procedure: SOP HL 110.2; Foreign Material: UV light/Microscope SOP HL 323, SOP HL 324; Water Activity: Water Activity Meter SOP HL 238; Moisture: Drying Oven SOP HL217.1;All LQC ran in accordance with 16 CCR sec. 5730. This product has been tested by Endotech Applications. using valid testing methodologies and a quality system as required by state law.

CERTIFICATE OF ANALYSIS

Sample ID: ET000946368NP
Product: Distillate CBD oil 15%+3%CBN
Matrix: Concentrates
Type: Distillate
Sample Size: 0.9mg

Client: Nature-Pharm
Collected: 10/03/2023
Received: 11/03/2023
Completed: 22/03/2023
Batch#:GY23858NP

Terpenes Analysis

	mg/g		mg/g
α-Bisabolol	N/A	Linalool	0.0881
Borneol	N/A	Ocimene	N/A
Camphene	N/A	ß-Ocimene	0.1433
Camphor	N/A	α-Pinene	0.0475
Δ3-Carene	N/A	β-Pinene	N/A
β-Caryophyllene	0.1385	α-Terpinene	0.0872
Caryophyllene Oxide	0.0521	γ-Terpinene	N/A
α-Cedrene	N/A	Menthol	N/A
Cedrol	N/A	Myrcene	0.1100
Citronellol	N/A	Nerol	N/A
p-Cymene	N/A	Nerolidol	N/A
Eucalyptol	N/A	Pulegone	N/A
Fenchol	N/A	Sabinene	N/A
Fenchone	N/A	Sabinene Hydrate	N/A
Geraniol	N/A	trans-β-Farnesene	N/A
Geranyl Acetate	N/A	Valencene	N/A
Guaiol	0.0991	cis-Nerolidol	0.0883
α-Humulene	0.1218	trans-Nerolidol	N/A
Isoborneol	N/A	Limonene	0.1861

Total Terpenes concentration: 1.162mg

Final Approval

Jeremy Longo

PREPARED BY / DATE

Jeremy Longo
Laboratory Manager
22Mar 2023
08:41:00 PM MST

Nickol Mulner

APPROVED BY / DATE

Nickol Mulner
Technology Manager
22Mar 2023
08:53:00 PM MST

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877).
Sampling Procedure: SOP HL 110.2; Foreign Material: UV light/Microscope SOP HL 323, SOP HL 324; Water Activity: Water Activity Meter SOP HL 238; Moisture: Drying Oven SOP HL217.1;All LQC ran in accordance with 16 CCR sec. 5730. This product has been tested by Endotech Applications. using valid testing methodologies and a quality system as required by state law.