



American Extractions™

CERTIFICATE OF ANALYSIS SUMMARY

Account: Mother Nature's Trading Company
Summary Date: 01.11.2021
Products: 2000mg Tincture in Cranberry Seed Oil
Extraction Method: CDT-V1 Full Phase
Refinement Method: Whole Spectrum Collection at Nano Scope

RAW MATERIAL ANALYSIS

Report ID: OR100028
Test Receive Date: 01.28.2020
Third Party Lab: Pixis Labs
Heavy Metals: Pass / Conforms to Standard
Pesticides: Pass / Conforms to Standard
Micro Toxins: Pass / Conforms to Standard

REFINED DISTILLATE ANALYSIS

Batch ID: HBD32
Test Receive Date: 09.10.2020
Third Party Lab: Steep Hill AR
THC Content: 0.405% Conforms to Standard
CBD Content: 30.7% Conforms to Standard
Full Cannabinoid Content: 32.5% Conforms to Standard

FINISHED PRODUCT ANALYSIS

Product: MNTC Cranology 2000mg Tincture in CSO
Test Receive Date: 01.05.2021
Batch ID: 333116112650
Third Party Lab: Steep Hill AR
THC Content: 0.141% Conforms to Standard
CBD Content: 6.75% 2025mg to 2099mg per bottle
Full Cannabinoid Content: 7.24% 72.4mg per g
2172mg per bottle

Quality Assurance Signoff:





Pesticides Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2000927 Analyze 01/30/20 08:15 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclbutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	0.0944		mg/kg	0.0196	2001049	02/03/20	AOAC 2013.06 (mod.)	X
Cadmium	0.0753		mg/kg	0.0196	2001049	02/03/20	AOAC 2013.06 (mod.)	X
Lead	0.108		mg/kg	0.0196	2001049	02/03/20	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.00981	2001049	02/03/20	AOAC 2013.06 (mod.)	X



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 20-001094/D02.R00
Report Date: 02/04/2020
ORELAP#: OR100028
Purchase Order:
Received: 01/28/20 10:55

Customer: Pride Analytics

Product identity: PAC 3887

Client/Metric ID: .

Sample Date:

Laboratory ID: 20-001094-0001

Relinquished by: UPS

Temp: 21.8 °C

Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	11,600,000		cfu/g	10,000	2000839	01/30/20	AOAC 990.12 (Petrifilm)	X, E1
E.coli	< LOQ		cfu/g	100	2000838	01/30/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	100		cfu/g	100	2000838	01/30/20	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	5,000		cfu/g	1,000	2000840	01/30/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	12,000		cfu/g	1,000	2000840	01/30/20	AOAC 2014.05 (RAPID)	X

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400



Steep Hill Arkansas

11711 HERMITAGE ROAD, SUITE #5, LITTLE ROCK, AR 72211 LICENSE #: BL157155

CERTIFICATE OF ANALYSIS

Sample Name: House Blend Distillate
Steep Hill ID: AR90812
Batch ID: HBD32
State ID:
Sample Type: Concentrate
Date Received: 9/10/2020

Customer: Simply Solutions

Cannabinoid Results

9/11/2020

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR)

Analyte	%	mg/g	LOD mg/g	LOQ mg/g
CBC	1.16	11.6	0.136	0.454
CBD	30.7	307	0.158	0.527
CBDA	ND	ND	0.431	1.44
CBDV	0.235	2.35	0.186	0.620
CBG	ND	ND	0.311	1.04
CBGA	ND	ND	0.170	0.566
CBN	< LOQ	< LOQ	0.0835	0.278
THC	0.405	4.05	0.229	0.762
delta-8-THC	ND	ND	0.144	0.479
THCA	ND	ND	0.324	1.08
THCV	ND	ND	0.321	1.07
Total	32.5	325		

Total THC	Total CBD
0.405 %	30.7 %
4.05 mg/g	307 mg/g

ND: Not Detected NT: Not Tested LOQ: Limit of Quantitation LOD: Limit of Detection

Brandon Thornton
Pharm D. Co-Owner & CEO
Date: 9/11/2020

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Accreditation # 97338



Steep Hill Arkansas

11711 HERMITAGE ROAD, SUITE #5, LITTLE ROCK, AR 72211 LICENSE #: BL157155

CERTIFICATE OF ANALYSIS

Sample Name: Cranology
 Steep Hill ID: AR96704
 Batch ID: 333116112650
 State ID:
 Sample Type: Tincture
 Date Received: 1/5/2021
 Pkg. Volume: 30 mL
 # of Servings: 30
 Density: 0.912 g/mL

Customer: Simply Solutions

Cannabinoid Results

1/7/2021

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR)

Analyte	%	mg/g	mg/pkg	mg/serv	LOD mg/g	LOQ mg/g
CBC	0.257	2.57	70.4	2.35	0.0211	0.0632
CBD	6.75	67.5	1847	61.6	0.0316	0.0979
CBDA	< LOQ	< LOQ	< LOQ	< LOQ	0.0168	0.0516
CBDV	0.0497	0.497	13.6	0.453	0.0211	0.0632
CBG	0.0359	0.359	9.83	0.328	0.0358	0.110
CBGA	< LOQ	< LOQ	< LOQ	< LOQ	0.0158	0.0463
CBN	0.00779	0.0779	2.13	0.0711	0.0200	0.0590
THC	0.141	1.41	38.5	1.28	0.0778	0.112
delta-8-THC	ND	ND	ND	ND	0.0190	0.0558
THCA	ND	ND	ND	ND	0.0158	0.0505
THCV	< LOQ	< LOQ	< LOQ	< LOQ	0.0326	0.0969
Total	7.24	72.4	1982	66.1		

Total THC	Total CBD
0.141 %	6.75 %
1.41 mg/g	67.5 mg/g
38.5 mg/pkg	1847 mg/pkg
1.28 mg/serv	61.6 mg/serv

Key Points:

Per bottle calculations:

30mL bottle at 1000mg/mL = 30,000mg per bottle.
 30,000mg at 6.75% = 2025mg per bottle.

Alternatively:

67.5mg/g x 28.35g/bottle = 1914mg.
 Divided by specific gravity of 0.912 = 2099mg per bottle.

PLEASE NOTE:

- CBD content is at or above label claim.
- There are a total of 6 cannabinoids (CBD + 5 others) in measurable quantities, equating to a true Whole Spectrum(TM) formula.
- Total cannabinoid content is 2172mg, +9% vs. the 2000mg target.
- THC at 0.141% is well below the legal limit.

ND: Not Detected NT: Not Tested LOQ: Limit of Quantitation LOD: Limit of Detection

Brandon Thornton
 Pharm D. Co-Owner & CEO
 Date: 1/7/2021

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