

CERTIFICATE OF ANALYSIS

Product: AdvanCBD Full Spectrum Hemp Extract Mint Chocolate Tincture 500/30mL
 Common/INCI Name: Full Spectrum Hemp Extract (Anhydrous Cannabidiol Distillate), Natural Flavors (N/A), Organic Hemp Seed Oil (Cannabis sativa Hemp Seed Oil), Stevia (Stevia rebaudiana Leaf Extract)
 CAS#: 89958-21-4, Custom Blend, Custom Blend, 91722-21-3
 Country of Origin: United States
 Lot Number: MH500F191111, 19 315 *Store in air tight container; in a cool dry area; away from direct sunlight.*
 Manufacturing Date: 11/15/2019
 Expiration Date: 11/15/2021

Organoleptic Testing:

Properties	Specifications	Results
Appearance:	Pale yellow to golden colored liquid.	Conforms
Flavor:	Chocolate flavor with mint and spicy flavor.	Conforms
Odor:	Chocolate scent with mint undertones.	Conforms
Solubility:	Soluble in oil and alcohol. Insoluble in water.	Conforms
Specific Gravity:	0.871 - 0.971 @ 20° C (68° F)	0.924

Heavy Metal Analysis: ICP-MS

Symbol	Metal	Concentration/Units	MDL	Use Limits/Units	Status
As	Arsenic	7 µg/kg	4	200/1500 µg/kg	Pass
Cd	Cadmium	3 µg/kg	1	200/500 µg/kg	Pass
Hg	Mercury	4 µg/kg	2	100/1500 µg/kg	Pass
Pb	Lead	ND µg/kg	2	500/1000 µg/kg	Pass

Microbial Contaminants: PCR

Test	Unit	Result
Total Aerobic Count	CFU/g	None Detected
Total Coliforms	CFU/g	None Detected
Total Yeasts and Molds	CFU/g	None Detected
E. coli	CFU/g	None Detected
Salmonella	CFU/g	None Detected

Pesticides: GC QQQ

Pesticide	Action Level (ppm)	Results (ppm)	Pesticide	Action Level (ppm)	Results (ppm)
Abamectin B1A	0.100	None Detected	Imadacloprid	5.000	None Detected
Acephate	0.100	None Detected	Kresoxim-methyl	0.100	None Detected
Acequinocyl	0.100	None Detected	Malathion	0.500	None Detected



Acetamiprid	0.100	None Detected	Metalaxyl	2.000	None Detected
Aldicarb	0.100	None Detected	Methicarb	0.100	None Detected
Azoxystrobin	0.100	None Detected	Methomyl	1.000	None Detected
Bifenazate	0.100	None Detected	Mevinphos	0.100	None Detected
Bifenthrin	3.000	None Detected	Myclobutanil	0.100	None Detected
Boscalid	0.100	None Detected	Naled	0.100	None Detected
Carbaryl	0.500	None Detected	Oxamyl	0.500	None Detected
Carbofuran	0.100	None Detected	Paclobutrazol	0.100	None Detected
Chlorantraniliprole	10.000	None Detected	Permethrins	0.500	None Detected
Chlorpyrifos	0.100	None Detected	Phosmet	0.100	None Detected
Clofentezine	0.100	None Detected	Piperonyl Butoxide	3.000	None Detected
Daminozide	0.100	None Detected	Prallethrin	0.100	None Detected
Diazanone	0.100	None Detected	Propiconazole	0.100	None Detected
Dichlorvos	0.100	None Detected	Propoxur Pyrethrins	0.500	None Detected
Dimethoate	0.100	None Detected	Pyridaben	0.100	None Detected
Dimethomorph	2.000	None Detected	Spinetoram	0.100	None Detected
Ethoprophos	0.100	None Detected	Spinosad	0.100	None Detected
Etofenprox	0.100	None Detected	Spiromesifen	0.100	None Detected
Etoxazole	0.100	None Detected	Spirotetramat	0.100	None Detected
Fenhexamid	0.100	None Detected	Spiroxamine	0.100	None Detected
Fenoxycarb	0.100	None Detected	Tebuconazole	0.100	None Detected
Fenpyroximate	0.100	None Detected	Thiacloprid	0.100	None Detected
Fipronil	0.100	None Detected	Thiamethoxam	0.100	None Detected
Flonicamid	0.100	None Detected	Trifloxystrobin	5.000	None Detected
Fludioxonil	0.100	None Detected			
Hexythiazox	0.100	None Detected			
Imazalil	0.100	None Detected			

Residual Solvents: GC

Solvent	Reportable Range (ppm)	Result (ppm)	Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100-2000	0	Hexane	6-120	0
Butanes (Isobutane, n-Butane)	100-2000	0	Benzene	0.2-4.0	0.0
Pentane	100-2000	0	Heptanes	100-2000	0
Ethanol	100-2000	0	Toluene	18-360	0
Acetone	100-2000	0	Xylenes (m, p, o-Xylenes)	46-860	0
Isopropyl Alcohol	100-2000	0			

Mycotoxin Analysis: LC-MS

Analyte	Action Level (ppb)	Results (ppb)
Aflatoxin B1	20.000	None Detected
Aflatoxin B2	20.000	None Detected
Aflatoxin G1	20.000	None Detected
Aflatoxin G2	20.000	None Detected
Ochratoxin A	20.000	None Detected

Cannabinoid Analysis Profile

Cannabinoid	mg/g	%	Cannabinoid	mg/g	%
THC	0.648 mg/g	0.065%	CBGa	ND	0.00%
THCa	ND	0.00%	THCV	ND	0.00%
CBD	17.235 mg/g	1.724%	THCVa	ND	0.00%
CBDa	ND	0.00%	Delta 8 – THC	ND	0.00%
CBN	ND	0.00%	CBC	ND	0.00%
CBDV	ND	0.00%	CBCa	ND	0.00%
CBDVa	ND	0.00%	CBL	ND	0.00%
CBG	0.141 mg/g	0.014%			

CBD Analysis Specs: 500mg +/- 3mg Per oz

Summary

Organoleptic Analysis:	Pass
Heavy Metal Analysis:	Pass
Microbial Analysis:	None Detected
Pesticide Analysis:	None Detected
Residual Solvent Analysis:	None Detected
Mycotoxin Analysis:	None Detected
CBD Analysis:	Within Range
Product Analysis:	Unadulterated, no traces of synthetic additives.

DISCLAIMER:

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Kayla Mann 4/13/2020
 Kayla Mann Date
 Documentation Specialist



CERTIFICATE OF ANALYSIS

Product: AdvanCBD Full Spectrum Mint Chocolate Tincture 1000/30mL
 Common/INCI Name: Organic Hemp Seed Oil (Cannabis sativa Hemp Seed Oil), Full Spectrum Hemp Extract (N/A), Natural Flavors (N/S), Stevia (Stevia rebaudiana Leaf Extract)
 CAS#: 8016-24-8, Custom Blend, N/A, 91722-21-3
 Country of Origin: United States
 Lot Number: MH1000B,
 Manufacturing Date: 6/1/2019
 Expiration Date: 6/1/2021

Store in air tight container; in a cool dry area; away from direct sunlight.



Organoleptic Testing:

Properties	Specifications	Results
Appearance:	Pale yellow to golden colored liquid.	Conforms
Flavor:	Chocolate flavor with mint and spicy flavor.	Conforms
Odor:	Chocolate scent with mint undertones.	Conforms
Solubility:	Soluble in oil and alcohol. Insoluble in water.	Conforms
Specific Gravity:	0.871 - 0.971 @ 20° C (68° F)	0.920

Heavy Metal Analysis: ICP-MS

Symbol	Metal	Concentration/Units	MDL	Use Limits/Units	Status
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Pb	Lead	ND µg/kg	2	500/1000 µg/kg	Pass

Microbial Contaminants: PCR

Test	Unit	Result
Total Aerobic Count	CFU/g	None Detected
Total Coliforms	CFU/g	None Detected
Total Yeasts and Molds	CFU/g	None Detected
E. coli	CFU/g	None Detected
Salmonella	CFU/g	None Detected

Pesticides: GC QQQ

Pesticide	Action Level (ppm)	Results (ppm)	Pesticide	Action Level (ppm)	Results (ppm)
Abamectin B1A	0.100	None Detected	Imadacloprid	5.000	None Detected
Acephate	0.100	None Detected	Kresoxim-methyl	0.100	None Detected
Acequinocyl	0.100	None Detected	Malathion	0.500	None Detected
Acetamiprid	0.100	None Detected	Metalaxyl	2.000	None Detected
Aldicarb	0.100	None Detected	Methicarb	0.100	None Detected
Azoxystrobin	0.100	None Detected	Methomyl	1.000	None Detected

Bifenazate	0.100	None Detected	Mevinphos	0.100	None Detected
Bifenthrin	3.000	None Detected	Myclobutanil	0.100	None Detected
Boscalid	0.100	None Detected	Naled	0.100	None Detected
Carbaryl	0.500	None Detected	Oxamyl	0.500	None Detected
Carbofuran	0.100	None Detected	Paclbutrazol	0.100	None Detected
Chlorantraniliprole	10.000	None Detected	Permethrins	0.500	None Detected
Chlorpyrifos	0.100	None Detected	Phosmet	0.100	None Detected
Clofentezine	0.100	None Detected	Piperonyl Butoxide	3.000	None Detected
Daminozide	0.100	None Detected	Prallethrin	0.100	None Detected
Diazanone	0.100	None Detected	Propiconazole	0.100	None Detected
Dichlorvos	0.100	None Detected	Propoxur Pyrethrins	0.500	None Detected
Dimethoate	0.100	None Detected	Pyridaben	0.100	None Detected
Dimethomorph	2.000	None Detected	Spinetoram	0.100	None Detected
Ethoprophos	0.100	None Detected	Spinosad	0.100	None Detected
Etofenprox	0.100	None Detected	Spiromesifen	0.100	None Detected
Etoxazole	0.100	None Detected	Spirotetramat	0.100	None Detected
Fenhexamid	0.100	None Detected	Spiroxamine	0.100	None Detected
Fenoxycarb	0.100	None Detected	Tebuconazole	0.100	None Detected
Fenpyroximate	0.100	None Detected	Thiacloprid	0.100	None Detected
Fipronil	0.100	None Detected	Thiamethoxam	0.100	None Detected
Flonicamid	0.100	None Detected	Trifloxystrobin	5.000	None Detected
Fludioxonil	0.100	None Detected			
Hexythiazox	0.100	None Detected			
Imazalil	0.100	None Detected			

Residual Solvents: GC

Solvent	Reportable Range (ppm)	Result (ppm)	Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100-2000	0	Hexane	6-120	0
Butanes (Isobutane, n-Butane)	100-2000	0	Benzene	0.2-4.0	0.0
Pentane	100-2000	0	Heptanes	100-2000	0
Ethanol	100-2000	0	Toluene	18-360	0
Acetone	100-2000	0	Xylenes (m, p, o-Xylenes)	46-860	0
Isopropyl Alcohol	100-2000	0			

Mycotoxin Analysis: LC-MS

Analyte	Action Level (ppb)	Results (ppb)
Aflatoxin B1	20.000	None Detected
Aflatoxin B2	20.000	None Detected
Aflatoxin G1	20.000	None Detected
Aflatoxin G2	20.000	None Detected
Ochratoxin A	20.000	None Detected

Cannabinoid Analysis Profile

Cannabinoid	mg/g	%	Cannabinoid	mg/g	%
THC	1.295 mg/g	0.129%	CBGa	ND	0.00%
THCa	ND	0.00%	THCV	ND	0.00%
CBD	34.439 mg/g	3.444%	THCVa	ND	0.00%
CBDa	ND	0.00%	Delta 8 – THC	ND	0.00%
CBN	ND	0.00%	CBC	ND	0.00%
CBDV	ND	0.00%	CBCa	ND	0.00%
CBDVa	ND	0.00%	CBL	ND	0.00%
CBG	0.281 mg/g	0.028%			

Summary

Organoleptic Analysis: **Pass**
Heavy Metal Analysis: **Pass**
Microbial Analysis: **None Detected**
Pesticide Analysis: **None Detected**
Residual Solvent Analysis: **None Detected**
Mycotoxin Analysis: **None Detected**
Terpene Analysis: **Unadulterated, no traces of synthetic additives.**

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Kayla Mann 10/07/2019
Kayla Mann Date
Documentation Specialist



CERTIFICATE OF ANALYSIS

Product: AdvanCBD Full Spectrum Mint Chocolate Tincture 2000/30mL
 Common/INCI Name: Organic Hemp Seed Oil (Cannabis sativa Hemp Seed Oil), Full Spectrum Hemp Extract (N/A), Natural Flavors (N/S), Stevia (Stevia rebaudiana Leaf Extract)
 CAS#: 8016-24-8, Custom Blend, N/A, 91722-21-3
 Country of Origin: United States
 Lot Number: MH2000F, 175 19
 Manufacturing Date: 6/24/2019
 Expiration Date: 6/24/2021

Store in air tight container; in a cool dry area; away from direct sunlight.



Organoleptic Testing:

Properties	Specifications	Results
Appearance:	Pale yellow to golden colored liquid.	Conforms
Flavor:	Chocolate flavor with mint and spicy flavor.	Conforms
Odor:	Chocolate scent with mint undertones.	Conforms
Solubility:	Soluble in oil and alcohol. Insoluble in water.	Conforms
Specific Gravity:	0.878 - 0.978 @ 20° C (68° F)	0.926

Heavy Metal Analysis: ICP-MS

Symbol	Metal	Concentration/Units	MDL	Use Limits/Units	Status
As	Arsenic	7 µg/kg	4	200/1500 µg/kg	Pass
Cd	Cadmium	3 µg/kg	1	200/500 µg/kg	Pass
Hg	Mercury	4 µg/kg	2	100/1500 µg/kg	Pass
Pb	Lead	ND µg/kg	2	500/1000 µg/kg	Pass

Microbial Contaminants: PCR

Test	Unit	Result
Total Aerobic Count	CFU/g	None Detected
Total Coliforms	CFU/g	None Detected
Total Yeasts and Molds	CFU/g	None Detected
E. coli	CFU/g	None Detected
Salmonella	CFU/g	None Detected

Pesticides: GC QQQ

Pesticide	Action Level (ppm)	Results (ppm)	Pesticide	Action Level (ppm)	Results (ppm)
Abamectin B1A	0.100	None Detected	Imadacloprid	5.000	None Detected
Acephate	0.100	None Detected	Kresoxim-methyl	0.100	None Detected
Acequinocyl	0.100	None Detected	Malathion	0.500	None Detected
Acetamiprid	0.100	None Detected	Metalaxyl	2.000	None Detected
Aldicarb	0.100	None Detected	Methicarb	0.100	None Detected
Azoxystrobin	0.100	None Detected	Methomyl	1.000	None Detected

Bifenazate	0.100	None Detected	Mevinphos	0.100	None Detected
Bifenthrin	3.000	None Detected	Myclobutanil	0.100	None Detected
Boscalid	0.100	None Detected	Naled	0.100	None Detected
Carbaryl	0.500	None Detected	Oxamyl	0.500	None Detected
Carbofuran	0.100	None Detected	Paclbutrazol	0.100	None Detected
Chlorantraniliprole	10.000	None Detected	Permethrins	0.500	None Detected
Chlorpyrifos	0.100	None Detected	Phosmet	0.100	None Detected
Clofentezine	0.100	None Detected	Piperonyl Butoxide	3.000	None Detected
Daminozide	0.100	None Detected	Prallethrin	0.100	None Detected
Diazanone	0.100	None Detected	Propiconazole	0.100	None Detected
Dichlorvos	0.100	None Detected	Propoxur Pyrethrins	0.500	None Detected
Dimethoate	0.100	None Detected	Pyridaben	0.100	None Detected
Dimethomorph	2.000	None Detected	Spinetoram	0.100	None Detected
Ethoprophos	0.100	None Detected	Spinosad	0.100	None Detected
Etofenprox	0.100	None Detected	Spiromesifen	0.100	None Detected
Etoxazole	0.100	None Detected	Spirotetramat	0.100	None Detected
Fenhexamid	0.100	None Detected	Spiroxamine	0.100	None Detected
Fenoxycarb	0.100	None Detected	Tebuconazole	0.100	None Detected
Fenpyroximate	0.100	None Detected	Thiacloprid	0.100	None Detected
Fipronil	0.100	None Detected	Thiamethoxam	0.100	None Detected
Flonicamid	0.100	None Detected	Trifloxystrobin	5.000	None Detected
Fludioxonil	0.100	None Detected			
Hexythiazox	0.100	None Detected			
Imazalil	0.100	None Detected			

Residual Solvents: GC

Solvent	Reportable Range (ppm)	Result (ppm)	Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100-2000	0	Hexane	6-120	0
Butanes (Isobutane, n-Butane)	100-2000	0	Benzene	0.2-4.0	0.0
Pentane	100-2000	0	Heptanes	100-2000	0
Ethanol	100-2000	0	Toluene	18-360	0
Acetone	100-2000	0	Xylenes (m, p, o-Xylenes)	46-860	0
Isopropyl Alcohol	100-2000	0			

Mycotoxin Analysis: LC-MS

Analyte	Action Level (ppb)	Results (ppb)
Aflatoxin B1	20.000	None Detected
Aflatoxin B2	20.000	None Detected
Aflatoxin G1	20.000	None Detected
Aflatoxin G2	20.000	None Detected
Ochratoxin A	20.000	None Detected

Cannabinoid Analysis Profile

Cannabinoid	mg/g	%	Cannabinoid	mg/g	%
THC	2.582 mg/g	0.258%	CBGa	ND	0.00%
THCa	ND	0.00%	THCV	ND	0.00%
CBD	68.694 mg/g	6.869%	THCVa	ND	0.00%
CBDa	ND	0.00%	Delta 8 – THC	ND	0.00%
CBN	ND	0.00%	CBC	ND	0.00%
CBDV	ND	0.00%	CBCa	ND	0.00%
CBDVa	ND	0.00%	CBL	ND	0.00%
CBG	0.561 mg/g	0.056%			

Summary

- Organoleptic Analysis: **Pass**
- Heavy Metal Analysis: **Pass**
- Microbial Analysis: **None Detected**
- Pesticide Analysis: **None Detected**
- Residual Solvent Analysis: **None Detected**
- Mycotoxin Analysis: **None Detected**
- Terpene Analysis: **Unadulterated, no traces of synthetic additives.**

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Kayla Mann 10/7/2019
 Kayla Mann Date
 Documentation Specialist