



THC-O Acetate Distillate

Lot:

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Technical Specifications

Material Name: O-Acetyl- Δ 8-THC

>89% THC-O Acetate

1. Product Data

DESCRIPTION

Kind Spectrum O-Acetyl- Δ 8-THC Distillate (THC-O) is derived from Industrial Hemp Biomass. The hemp biomass goes through a primary extraction using denatured ethyl alcohol, CO₂, or approved hydrocarbon solvents. The hemp extract is then further refined before undergoing proprietary processing into high purity THC-O distillate.

INTENDED USE

THC-O Distillate is an active ingredient to be further formulated, on its own it is not a finished product. The intended use is specific to the customer and industry.

COUNTY OF ORIGIN

Made in USA with 100% American ingredients

INCOMPATIBILITIES

No known incompatibilities or interactions

STANDARD PACKAGING

1 liter food-grade scientific media storage bottle

SHELF LIFE

18 months after packaging

STORAGE & HANDLING

Store in original, tightly closed container(s) under dry condition at ambient temperature. Limit exposure to light. *Once cannabinoids are exposed to air, they may oxidize and change in color.

ALLERGEN STATEMENT

Does not contain beef, buckwheat, celery, gluten, chicken, crustacean shellfish, egg, fish, lupin, mango, milk, molluscan shellfish, mustard, peach, peanut, pork, sesame, soy, tree nuts, tomato, or wheat.

FDA STATEMENT

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to treat, diagnose, cure, or prevent any disease.

WARNING STATEMENT

Not recommended for children, pregnant, or nursing women, If taking medication, consult a physician before use. Keep out of the reach of children.

2. Specifications - General Information

APPEARANCE

Amber colored distillate

FLAVOR

No flavor

ODOR

No odor

CONSISTENCY

Thick, stable, sticky

SOLUBILITY

Oil

COMPOSITION

100% hemp extract



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

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STE 226 PMB 20056
DENVER, CO 80202

Batch # THC-O Distillate
Batch Date: 2022-04-27
Extracted From: HEMP

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Production Facility: Kind Spectrum
Production Date: 2022-04-27

Order # KIN220427-040001
Order Date: 2022-04-27
Sample # AACT558

Sampling Date: 2022-04-29
Lab Batch Date: 2022-04-29
Completion Date: 2022-05-05

Initial Gross Weight: 10.406 g



Product Image

Acetic Anhydride
Tested

Potency
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Listeria
Monocytogenes
Passed

Pathogenic
Passed

Potency 21 (LCUV)

Specimen Weight: 52.110 mg

Tested (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC-O Acetate	1000.000	0.000027	0.0003	890.2000	89.0200
Delta-9 THC-O Acetate	10.000	0.000077	0.0003	20.9700	2.0970
Delta-8 THC	10.000	0.000026	0.0015	10.8300	1.0830
CBT	10.000	0.0002	0.0015	10.4400	1.0440
Delta-8 THCV	10.000	0.000004	0.0015	0.4550	0.0455
THCA	10.000	0.000032	0.0015	<LOQ	<LOQ
THCVA	10.000	0.000047	0.0015	<LOQ	<LOQ
THCV	10.000	0.000007	0.0015	<LOQ	<LOQ
CBG	10.000	0.000018	0.0015	<LOQ	<LOQ
Exo-THC	10.000	0.00023	0.0015	<LOQ	<LOQ
CBCA	10.000	0.000107	0.0015	<LOQ	<LOQ
CBN	10.000	0.000095	0.0015	<LOQ	<LOQ
CBN	10.000	0.000014	0.0015	<LOQ	<LOQ
CBL	10.000	0.000035	0.0015	<LOQ	<LOQ
CBGA	10.000	0.000008	0.0015	<LOQ	<LOQ
CBG	10.000	0.000248	0.0015	<LOQ	<LOQ
CBDVA	10.000	0.000014	0.0015	<LOQ	<LOQ
CBDV	10.000	0.000065	0.0015	<LOQ	<LOQ
CBD	10.000	0.000001	0.0015	<LOQ	<LOQ
CBD	10.000	0.000054	0.0015	<LOQ	<LOQ
Delta-9 THC	10.000	0.000013	0.0015	<LOQ	<LOQ

Potency Summary

Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids 93.290%	Total Cannabinoids 93.290%

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBG = CBG + (CBCA * 0.877), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta-8-THC + Delta-8-THC + Delta-9-THC + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBG + Total CBDV + Delta-10-THC + Total THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration, (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%.



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Certificate of Analysis

Compliance Test

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Sampling Method: MSP 7.3.1
Test Reg State: Florida

Production Facility: Kind Spectrum
Production Date: 2022-04-27

Order # KIN220427-040001
Order Date: 2022-04-27
Sample # AACT558

Sampling Date: 2022-04-29
Lab Batch Date: 2022-04-29
Completion Date: 2022-05-05

Initial Gross Weight: 10.406 g

Pesticides FL V4
Specimen Weight: 259.400 mg

Passed
(LCMS/GCMS)



Residual Solvents - FL (CBD)
Specimen Weight: 169.600 mg

Passed
(GCMS)

Dilution Factor: 5.783

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Fludioxonil	48	3000	<LOQ
Acephate	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Acequinocyl	48	2000	<LOQ	Imazali	30	100	<LOQ
Acetamiprid	30	3000	<LOQ	Imidacloprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Kresoxim Methyl	30	1000	<LOQ
Azoxystrobin	10	3000	<LOQ	Malathion	30	2000	<LOQ
Bifenazate	30	3000	<LOQ	Metaxalyl	10	3000	<LOQ
Bifenthrin	30	500	<LOQ	Methiocarb	30	100	<LOQ
Boscalid	10	3000	<LOQ	Methomyl	30	100	<LOQ
Captan	30	3000	<LOQ	methylParathion	10	100	<LOQ
Carbaryl	10	500	<LOQ	Mevinphos	10	100	<LOQ
Carbofuran	10	100	<LOQ	Myclobutani	30	3000	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Naled	30	500	<LOQ
Chlorane	10	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorfenapyr	30	100	<LOQ	Paclobutrazol	30	100	<LOQ
Chloromequat Chloride	10	3000	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Chlorpyrifos	30	100	<LOQ	Permethrin	30	1000	<LOQ
Clofentezine	30	500	<LOQ	Phosmet	30	200	<LOQ
Coumaphos	48	100	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Cyfluthrin	30	1000	<LOQ	Prallethrin	30	400	<LOQ
Cypermethrin	30	1000	<LOQ	Propiconazole	30	1000	<LOQ
Daminozide	30	100	<LOQ	Propoxur	30	100	<LOQ
Diazinon	30	200	<LOQ	Pyrethrins	30	1000	<LOQ
Dichlorvos	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Dimethoate	30	100	<LOQ	Spinetoram	10	3000	<LOQ
Dimethomorph	48	3000	<LOQ	Spinosad	30	3000	<LOQ
Ethoprophos	30	100	<LOQ	Spiromesifen	30	3000	<LOQ
Etofenprox	30	100	<LOQ	Spirotetramat	30	3000	<LOQ
Etoxazole	30	1500	<LOQ	Spiroxamine	30	100	<LOQ
Fenhexamid	10	3000	<LOQ	Tebuconazole	30	1000	<LOQ
Fenoxycarb	30	100	<LOQ	Thiadoprid	30	100	<LOQ
Fenproximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trifloxystrobin	30	3000	<LOQ
Flonicamid	30	2000	<LOQ				

Dilution Factor: 500.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	Heptane	1.39	5000	<LOQ
1,2-Dichloroethane	0.04	5	<LOQ	Hexane	1.17	290	<LOQ
Acetone	2.08	5000	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Acetonitrile	1.17	410	<LOQ	Methanol	0.69	3000	<LOQ
Butane	0.02	2	<LOQ	Methylene chloride	2.43	600	<LOQ
Butenes	2.5	2000	<LOQ	Pentane	2.08	5000	<LOQ
Chloroform	0.04	60	<LOQ	Propane	5.83	2100	<LOQ
Ethanol	2.78	5000	<LOQ	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Total Xylenes	2.92	2170	<LOQ
Ethyl Ether	1.39	5000	<LOQ	Trichloroethylene	0.49	80	<LOQ
Ethylene Oxide	0.1	5	<LOQ				

Mycotoxins

Specimen Weight: 259.400 mg

Passed
(LCMS)

Dilution Factor: 5.783

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ
Aflatoxin G1	6	20	<LOQ				

Heavy Metals

Specimen Weight: 252.430 mg

Passed
(ICP-MS)

Dilution Factor: 198

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Lead (Pb)	100	500	<LOQ
Cadmium (Cd)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

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Pathogenic SAE (qPCR) **Passed**
(qPCR)
Specimen Weight: 230.130 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Acetic Anhydride **Tested**
(GCMS)
Specimen Weight: 79.300 mg

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Result (ppm)
Acetic Anhydride	2.6	<LOQ

Listeria Monocytogenes **Passed**
(qPCR)
Specimen Weight: 996.400 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

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Aixia Sun Lab Director/Principal Scientist
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