Δ^8-Tetrahydrocannabinol

Δ^{8-}Tetrahydrocannibinol (Δ^{8-}THC) is one of the series of naturally-occurring THCs, known as isomers, found in Cannabis Sativa L. plants. The 2018 USDA Farm Bill addresses all cannabinoids that are derived from hemp as follows:

HEMP.—The term 'hemp' means the plant Cannabis sativa L. and any part of that plant, including the seeds thereof and all derivatives, extracts, cannabinoids, isomers, acids, salts, and salts of isomers, whether growing or not, with a delta-9 tetrahydrocannabinol concentration of not more than 0.3 percent on a dry weight basis.

All of our starting material is directly derived from organically-grown hemp. We use time, temperature and pressure to convert our starting material into high purity Δ^{8-}THC; our conversion process does NOT involve solvents. As a byproduct of this process, a simulation of what happens over time in nature, we end up with trace amounts of Δ^{9-}THC, Δ^{10-}THC iso-THC (exo-THC) and hexahydro-THCs. We analyze every batch to ensure that the Δ^{8-}THC is greater than 90%, the total cannabinoid concentration is greater than 95% and that the Δ^{9-}THC is within allowable limits. It is the express opinion of our legal experts that this product is legal under federal rules.

We request that our third-party laboratory provide us with a chromatogram and spectra for each batch that they analyze. You will find this attached to this cover sheet. This is your assurance that we are really selling you clean, pure Δ^{8-}THC. We only accept GC-MS data for this analysis as other forms of analysis (HPLC/UV, for example) do not provide spectral proof that the compound is Δ^{8-}THC and overestimate the Δ^{9-}THC.

We are a small-batch, artisan supplier. All of our batches are carefully hand-crafted, thoroughly checked and cleaned and batch numbered before we release them. We are proud of our products and our workmanship. If you find fault with our product please let us know so that we can rectify the situation. Some products may contain proprietary terpene mixtures. These mixtures do not exceed 5% of the total mass of the cartridge expressed as total terpene concentration unless otherwise noted on the package.

These products are intended for use only by adults over the age of 21. Vaping and vaping products may be hazardous to your health. We urge the consumer to educate themselves on the hazards of vaping and to take appropriate action based on their own individual needs. Δ^{8-}THC may trigger a positive drug test. Individuals requiring on-going drug testing are advised to use this and all hemp-derived products with caution. Do not use if you are pregnant, nursing or operating vehicles or heavy machinery. These are single-use cartridges; do NOT refill. ***These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.***

3435 Greystone Blvd Suite 102 • Austin, Texas 78731

Project # 132394

Control # 117019

3435 Greystone Drive
Austin, TX 78731

Project

Sample 20UA8B1124ZK

Matrix other

Date/Time Taken Nov 24, 2020

Date/Time Rec'd Nov 25, 2020

CERTIFICATE OF ANALYSIS

Analyte	Result	Units	LOQ	Date	By	Method	Criteria	Status
Potency								
Total cannabinoids	96.9	%	0.1	11/24/20	MCK	GC-MS		
Cannabichromene (CBC)	ND	%	0.1	11/24/20	MCK	GC-MS		
Cannabidiol (CBD)	ND	%	0.1	11/24/20	MCK	GC-MS		
Cannabigerol (CBG)	ND	%	0.1	11/24/20	MCK	GC-MS		
Cannabinol (CBN)	1.17	%	0.1	11/24/20	MCK	GC-MS		
Δ8-Tetrahydrocannabinol (THC)	92.9	%	0.1	11/24/20	MCK	GC-MS		
Δ9-Tetrahydrocannabinol (THC)	0.624	%	0.1	11/24/20	MCK	GC-MS		
Δ6a(10a)-Tetrahydrocannabinol (THC)	0.896	%	0.1	11/24/20	MCK	GC-MS		
Additional hydrocannabinols (HHCs)	1.34	%	0.1	11/24/20	MCK	GC-MS		
Total Δ9-THC, post-decarboxylation	0.624	%	0.1	11/24/20	MCK	GC-MS	<0.3 +/- 0.47	
Residual Solvents								
Acetone	ND	mg/Kg	200	11/24/20	MCK	USP467M		
Acetonitrile	ND	mg/Kg	200	11/24/20	MCK	USP467M		
Benzene	ND	mg/Kg	200	11/24/20	MCK	USP467M		
Butanes, total	ND	mg/Kg	100	11/24/20	MCK	USP467M		

Results meet internal quality control criteria unless otherwise flagged.
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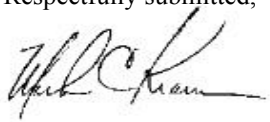
LOQ - limit of quantification. ND - not detected above the LOQ
Plant matter results reported on a dry weight basis
Measurement uncertainty from root sum of squares

Respectfully submitted,



Mark C. Krause

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Analyte	Result	Units	LOQ	Date	By	Method	Criteria	Status
2-Butanol	ND	mg/Kg	200	11/24/20	MCK	USP467M		
Cumene	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Cyclohexane	ND	mg/Kg	50	11/24/20	MCK	USP467M		
1,2-dichloroethane	ND	mg/Kg	50	11/24/20	MCK	USP467M		
1,4-Dioxane	ND	mg/Kg	200	11/24/20	MCK	USP467M		
Ethanol	ND	mg/Kg	200	11/24/20	MCK	USP467M		
2-Ethoxyethanol	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Ethyl acetate	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Ethyl ether	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Ethylbenzene	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Ethylene glycol	ND	mg/Kg	200	11/24/20	MCK	USP467M		
Ethylene oxide	ND	mg/Kg	100	11/24/20	MCK	USP467M		
Heptanes	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Hexanes	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Isopropanol	ND	mg/Kg	100	11/24/20	MCK	USP467M		
Isopropyl acetate	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Methanol	ND	mg/Kg	500	11/24/20	MCK	USP467M		

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Methylene chloride	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Pentanes, total	ND	mg/Kg	100	11/24/20	MCK	USP467M		
Propane	ND	mg/Kg	100	11/24/20	MCK	USP467M		
Tetrahydrofuran	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Toluene	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Trichloroethene	ND	mg/Kg	50	11/24/20	MCK	USP467M		
Xylenes, total	ND	mg/Kg	100	11/24/20	MCK	USP467M		
Terpenes								
Anisole	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Azulene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
α-Bisabolol	1.5	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Borneol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Camphene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Camphor	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
δ-3-Carene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Caryophyllene oxide	0.82	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
β-Caryophyllene	25	mg/g	0.5	11/26/20	MCK	HS-GC-MS		

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Analyte	Result	Units	LOQ	Date	By	Method	Criteria	Status
α-Cedrene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Cedrol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Citral	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Eucalyptol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Eugenol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
α-Farnesene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
β-Farnesene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
cis-β-Farnesene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Fenchol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Fenchone	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Geraniol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Humulene	6.8	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Limonene	6.1	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
pseudo-Limonene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Linalool	7.0	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Myrcene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Neral	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		

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Measurement uncertainty from root sum of squares

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CERTIFICATE OF ANALYSIS

Analyte	Result	Units	LOQ	Date	By	Method	Criteria	Status
cis-Neridol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
trans-Nerilidol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Nerol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Ocimene 1	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Ocimene 2	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
α-Phellandrene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
cis-Phytol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
trans-Phytol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
α-Pinene	1.1	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
β-Pinene	0.79	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
iso-Pulegol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Pulegone	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Sabinene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
α-Terpinene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
α-Terpineol	0.58	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
γ-Terpineol	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		
Terpinolene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		

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Measurement uncertainty from root sum of squares

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Matrix other

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CERTIFICATE OF ANALYSIS

Analyte	Result	Units	LOQ	Date	By	Method	Criteria	Status
Valencene	ND	mg/g	0.5	11/26/20	MCK	HS-GC-MS		

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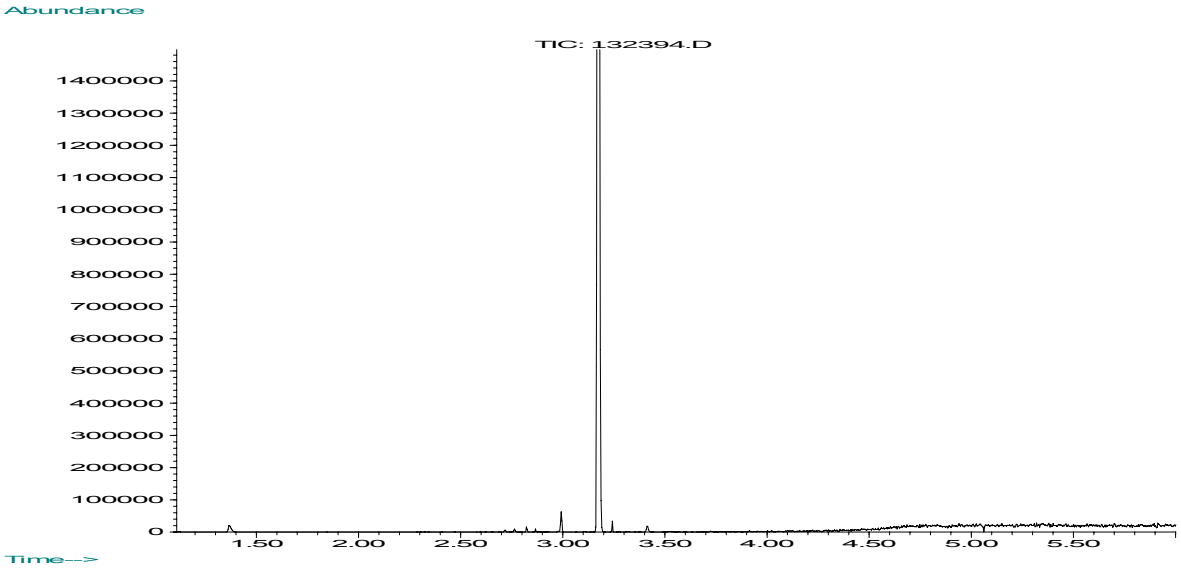
Plant matter results reported on a dry weight basis
Measurement uncertainty from root sum of squares

132394 20UA8B1124



Spectral match 99%