

# Certificate of Analysis

Produced: Mar 25, 2025

Sample: Mountain Doom 10mg D9 THC (Edible Liquid) • Client: Urban Artifact (Mail In) • Batch: Passed as Michigan Industrial Hemp



**Matrix:** Edible Liquid  
**Density:** 1.03552 g/ml  
**Sample ID:** ICM-250318-030  
**Collected on:** Mar 18, 2025  
**Received on:** Mar 18, 2025  
**Sample Size:** 12 US fl oz  
**Received By:** Vanessa Whitehead  
**Package Size:** 367 g  
**Serving Size:** 367 g

Batch Result: Passed as Michigan Industrial Hemp

<b>Potency</b>	Pass	<b>Pesticides</b>	Tested
<b>Foreign</b>	Tested	<b>Solvents</b>	Tested
<b>Metals</b>	Tested	<b>Terpenes</b>	Tested
<b>Microbial</b>	Tested		

### Cannabinoid Overview

<b>Δ<sup>9</sup>-THC Per Package:</b>	<b>9.388 Milligrams</b>
<b>CBD Per Package:</b>	<b>&lt; LOQ Milligrams</b>

### TER-001: Terpenes by HS-GC-MS

Analyte	Amt (%)	Amt	LOD/LOQ (mg/ml)	Analyte	Amt (%)	Amt	LOD/LOQ (mg/ml)
<b>Total Terpenes*</b>	ND	ND		<b>β-Eudesmol</b>	ND	ND	0.009/0.030
<b>Cedrol</b>	ND	ND	0.010/0.034	<b>cis-Nerolidol</b>	ND	ND	0.006/0.019
<b>Guaiol</b>	ND	ND	0.009/0.032	<b>Δ<sup>3</sup>-Carene*</b>	ND	ND	
<b>Camphor</b>	ND	ND	0.008/0.027	<b>α-Humulene</b>	ND	ND	0.006/0.032
<b>Fenchol</b>	ND	ND	0.004/0.017	<b>Geranyl Acetate</b>	ND	ND	0.006/0.021
<b>Menthol</b>	ND	ND	0.007/0.025	<b>α-Bisabolol</b>	ND	ND	0.018/0.058
<b>Camphene</b>	ND	ND	0.007/0.025	<b>α-Terpinene</b>	ND	ND	0.005/0.019
<b>Fenchone</b>	ND	ND	0.004/0.017	<b>α-Terpineol</b>	ND	ND	0.006/0.019
<b>Geraniol</b>	ND	ND	0.012/0.039	<b>γ-Terpinene</b>	ND	ND	0.004/0.016
<b>Limonene</b>	ND	ND	0.010/0.035	<b>trans-Nerolidol</b>	ND	ND	0.007/0.032
<b>Linalool</b>	ND	ND	0.011/0.036	<b>β-Citronellol</b>	ND	ND	0.008/0.027
<b>p-Cymene</b>	ND	ND	0.004/0.016	<b>cis-β-Ocimene*</b>	ND	ND	
<b>Valencene*</b>	ND	ND	0.001/0.004	<b>α-Terpinolene</b>	ND	ND	0.004/0.032
<b>Eucalyptol</b>	ND	ND	0.012/0.042	<b>α-Phellandrene*</b>	ND	ND	
<b>Isoborneol</b>	ND	ND	0.006/0.032	<b>β-Caryophyllene</b>	ND	ND	0.020/0.064
<b>β-Pinene</b>	ND	ND	0.004/0.032	<b>trans-β-Ocimene*</b>	ND	ND	
<b>α-Pinene</b>	ND	ND	0.004/0.032	<b>Caryophyllene Oxide</b>	ND	ND	0.021/0.069
<b>β-Myrcene</b>	ND	ND	0.011/0.036				

\* Beyond scope of accreditation



**POT-001: Cannabinoids by HPLC-DAD**

Analyte	Amt (mg/pkg)	Amt (%)	Amt (mg/ml)	LOD/LOQ (mg/ml)	Analyte	Amt (mg/pkg)	Amt (%)	Amt (mg/ml)	LOD/LOQ (mg/ml)
CBC	ND	ND	ND	0.001/0.003	CBN	0	0.000	0.00	0.000/0.001
CBCA	ND	ND	ND	0.001/0.004	CBNA	ND	ND	ND	0.001/0.002
CBCV	ND	ND	ND	0.001/0.002	CBT	ND	ND	ND	0.001/0.002
CBD	< LOQ	< LOQ	< LOQ	0.000/0.002	Δ <sup>8</sup> + Δ <sup>9</sup> -THC*	11.01	0.003	0.03	
CBDA	ND	ND	ND	0.001/0.002	Δ <sup>8</sup> -THC	< LOQ	< LOQ	< LOQ	0.000/0.001
CBDV	ND	ND	ND	0.001/0.003	Δ <sup>9</sup> -THC	11.01	0.003	0.03	0.000/0.001
CBDVA	< LOQ	< LOQ	< LOQ	0.000/0.001	THCA	< LOQ	< LOQ	< LOQ	0.000/0.002
CBG	ND	ND	ND	0.001/0.002	THCV	< LOQ	< LOQ	< LOQ	0.000/0.001
CBGA	ND	ND	ND	0.001/0.002	THCVA	< LOQ	< LOQ	< LOQ	0.000/0.001
CBL	ND	ND	ND	0.001/0.002	Total THC**	11.01	0.003	0.03	
CBLA	< LOQ	< LOQ	< LOQ	0.000/0.001	Total CBD**	< LOQ	< LOQ	< LOQ	

\* Beyond scope of accreditation

Total THC = THCa \* 0.877 + d9-THC; Total CBD = CBDa \* 0.877 + CBD; NR= Not Reported, ND= Not Detected, \*Reported by Dry Mass\*; \*analytical instrumentation used Cannabinoids: UHPLC-DAD, Moisture: Mass by Drying, Water Activity: Water Activity Meter, Foreign: Microscope\* \*Density tested at a temperature range between 19-24 °C, \*Water Activity tested at a humidity range between 0-90% Relative Humidity. All OA samples are sampled by the client, All Michigan State Compliant samples sampled using SAMPL-SOP-001.

**LCP-001: Chemical Residues by LC-MS/MS**

Analyte	Amt (µg/g)	Limit	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Amt (µg/g)	Limit	LOD/LOQ (µg/g)	Pass/Fail
Naled	ND		0.006/0.019	N/A	Acequinocyl	ND		0.008/0.025	N/A
Oxamyl	ND		0.005/0.016	N/A	Acetamiprid	ND		0.005/0.017	N/A
Phosmet	ND		0.004/0.014	N/A	Ethoprophos	ND		0.004/0.012	N/A
Acephate	ND		0.004/0.013	N/A	Fludioxonil	ND		0.009/0.031	N/A
Aldicarb	ND		0.006/0.021	N/A	Hexythiazox	ND		0.005/0.017	N/A
Boscalid	ND		0.005/0.018	N/A	Prallethrin	ND		0.006/0.021	N/A
Carbaryl	ND		0.004/0.013	N/A	Spiroxamine	ND		0.008/0.026	N/A
Diazinon	ND		0.004/0.013	N/A	Thiacloprid	ND		0.006/0.020	N/A
Fipronil	ND		0.009/0.028	N/A	Azoxystrobin	ND		0.005/0.017	N/A
Imazalil	ND		0.007/0.022	N/A	Chlorpyrifos	ND		0.003/0.011	N/A
Methomyl	ND		0.004/0.013	N/A	Clofentezine	ND		0.005/0.018	N/A
Propoxur	ND		0.004/0.014	N/A	Imidacloprid	ND		0.010/0.032	N/A
Abamectin	ND		0.006/0.021	N/A	Myclobutanil	ND		0.011/0.036	N/A
Etoxazole	ND		0.005/0.017	N/A	Spiromesifen	ND		0.005/0.015	N/A
Malathion	ND		0.006/0.019	N/A	Tebuconazole	ND		0.005/0.017	N/A
Metalaxyl	ND		0.005/0.016	N/A	Thiamethoxam	ND		0.010/0.032	N/A
Pyridaben	ND		0.005/0.018	N/A	Fenpyroximate	ND		0.004/0.014	N/A
Bifenazate	ND		0.006/0.021	N/A	Paclotubrazol	ND		0.007/0.022	N/A
Bifenthrin	ND		0.011/0.035	N/A	Propiconazole	ND		0.005/0.017	N/A
Carbofuran	ND		0.005/0.016	N/A	Spirotetramat	ND		0.006/0.019	N/A
Daminozide	ND		0.011/0.035	N/A	Permethrin cis	ND		0.002/0.005	N/A
Dichlorvos	ND		0.004/0.013	N/A	Kresoxim-methyl	ND		0.007/0.022	N/A
Dimethoate	ND		0.005/0.016	N/A	Trifloxystrobin	ND		0.006/0.021	N/A
Etofenprox	ND		0.005/0.017	N/A	Permethrin trans	ND		0.006/0.019	N/A
Fenoxycarb	ND		0.006/0.020	N/A	Chlorantraniliprole	ND		0.005/0.016	N/A
Fonicamid	ND		0.006/0.021	N/A	Pyrethrins Cinerin I	ND		0.002/0.008	N/A
Methiocarb	ND		0.004/0.014	N/A	Pyrethrins Jasmolin I	ND		0.001/0.003	N/A
Spinosad A	ND		0.004/0.015	N/A	Pyrethrins Pyrethrin I	ND		0.015/0.049	N/A
Spinosad D	ND		0.001/0.005	N/A					

**GCP-001: Chemical Residues by GC-MS/MS**

Analyte	Amt (µg/g)	Limit	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Amt (µg/g)	Limit	LOD/LOQ (µg/g)	Pass/Fail
MGK-264 I	ND			N/A	Chlorfenapyr	ND		0.036/0.108	N/A
Cyfluthrin	ND		0.058/0.174	N/A	Cypermethrin	ND		0.045/0.135	N/A
MGK-264 II	ND			N/A	Methyl parathion	ND		0.014/0.042	N/A

**RS-001: Residual Solvents by HS-GC-MS**

Analyte	Amt (µg/g)	Limit	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Amt (µg/g)	Limit	LOD/LOQ (µg/g)	Pass/Fail
Butane	ND			N/A	Acetonitrile	ND		0.940/12.000	N/A
Hexane	ND			N/A	Ethyl acetate	ND		0.500/1.500	N/A
Acetone	ND		26.000/120.000	N/A	2-Methylbutane	ND		0.290/0.870	N/A
Benzene	ND		0.100/0.310	N/A	Ethylene oxide	ND		1.310/3.920	N/A
Ethanol	979.465		4.390/25.000	N/A	2-Methylpentane*	ND		0.171/0.514	N/A
Heptane	ND		0.520/1.570	N/A	3-Methylpentane	ND		0.129/0.386	N/A
Pentane	ND			N/A	p- and m-Xylene*	ND		0.123/0.370	N/A
Propane	ND		1.560/4.670	N/A	Isopropyl alcohol	ND		2.580/20.000	N/A
Toluene	ND		0.370/1.110	N/A	Trichloroethylene	ND		0.090/0.280	N/A



Methanol	ND	4.870/50.000	N/A	1,2-Dichloroethane	ND	0.120/0.360	N/A
o-Xylene*	ND	0.110/0.331	N/A	2,2-Dimethylbutane*	ND	0.329/0.988	N/A
Isobutane*	ND	0.545/1.635	N/A	2,3-Dimethylbutane*	ND	0.632/1.896	N/A
Chloroform	ND	0.200/0.600	N/A	Methylene chloride	ND	0.460/1.390	N/A
Ethyl ether	ND	0.450/1.350	N/A	2,2-Dimethylpropane	ND	0.177/0.532	N/A

\* Beyond scope of accreditation

### MIC-004: Targeted Microbial Detection by qPCR

Analyte	Amt (CFU/g)	Pass/Fail	Analyte	Amt (CFU/g)	Pass/Fail
Salmonella spp.	ND	N/A	Shiga toxin-producing E. coli	ND	N/A
Aspergillus spp.	ND	N/A			

### MIC-002: Quantitative Microbial Analysis by Petrifilm Plating

Analyte	Amt (CFU/g)	Pass/Fail	Analyte	Amt (CFU/g)	Pass/Fail
Coliforms	ND	N/A	Yeast & Mold	ND	N/A

### HM-001: Heavy Metals by ICP-MS

Analyte	Amt (µg/g)	Limit	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Amt (µg/g)	Limit	LOD/LOQ (µg/g)	Pass/Fail
Lead	ND		0.006/0.017	N/A	Cadmium	ND		0.002/0.005	N/A
Copper	0.032		0.006/0.019	N/A	Mercury	ND		0.003/0.014	N/A
Nickel	< LOQ		0.016/0.048	N/A	Chromium	ND		0.052/0.156	N/A
Arsenic	ND		0.002/0.034	N/A					

### Notes

Joe Maricelli  
Mar 24, 2025  
**Cannabinoids by HPLC-DAD**  
\*CBC, CBCA, CBCV, CBDV,CBDVA,CBGA,CBL, CBLA,CBNA,CBT,THCV,THCVA have not been evaluated by the CRA and are for informational purposes only.

### Accreditations



#### PJLA Accredited

##### LCP-001: Chemical Residues by LC-MS/MS

Abamectin, Acephate, Acequinocyl, Acetamidiprid, Aldicarb, Azoxystrobin, Bifenazate, Bifenthrin, Boscalid, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorpyrifos, Clofentazine, Daminozide, Diazinon, Dichlorvos, Dimethoate, Ethoprophos, Etofenprox, Etoxazole, Fenoxycarb, Fenpyroximate, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Kresoxim-methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, Myclobutanil, Naled, Oxamyl, Paclbutrazol, Permethrin, Permethrin cis, Permethrin trans, Phosmet, Prallethrin, Propiconazole, Propoxur, Pyrethrins, Pyrethrins Cinerin I, Pyrethrins Jasmolin I, Pyrethrins Pyrethrin I, Pyridaben, Spinosad, Spinosad A, Spinosad D, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Thiocloprid, Thiamethoxam, Trifloxystrobin

##### GCP-001: Chemical Residues by GC-MS/MS

Chlorfenapyr, Cyfluthrin, Cypermethrin, MGK-264, MGK-264 I, MGK-264 II, Methyl parathion

##### HM-001: Heavy Metals by ICP-MS

Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel

##### MIC-002: Quantitative Microbial Analysis by Petrifilm Plating

Coliforms, Yeast & Mold

##### TER-001: Terpenes by HS-GC-MS

3-Carene, Camphene, Camphor, Caryophyllene Oxide, Cedrol, Eucalyptol, Fenchol, Fenchone, Geraniol, Geranyl Acetate, Guaiol, Isoborneol, Limonene, Linalool, Menthol, alpha-Bisabolol, alpha-Humulene, alpha-Pinene, alpha-Terpinene, alpha-Terpineol, alpha-Terpinolene, beta-Caryophyllene, beta-Citronellol, beta-Eudesmol, beta-Myrcene, beta-Pinene, cis-Nerolidol, gamma-Terpinene, p-Cymene, trans-Nerolidol

##### RS-001: Residual Solvents by HS-GC-MS

1,2-Dichloroethane, 2,2-Dimethylpropane, 2-Methylbutane, 3-Methylpentane, Acetone, Acetonitrile, Benzene, Butane, Chloroform, Ethanol, Ethyl acetate, Ethyl ether, Ethylene oxide, Heptane, Hexane, Isopropyl alcohol, Methanol, Methylene chloride, Pentane, Propane, Toluene, Total xylenes, Trichloroethylene

##### POT-001: Cannabinoids by HPLC-DAD

CBC, CBCA, CBCV, CBD, CBDA, CBDV, CBDVA, CBG, CBGA, CBL, CBLA, CBN, CBNA, CBT, Delta-8-THC, Delta-9-THC, THCA, THCV, THCVA, Total CBD, Total THC

##### MIC-004: Targeted Microbial Detection by qPCR

Aspergillus spp., Salmonella spp., Shiga toxin-producing E. coli

##### FFM-001: Foreign Matter by Microscopic Inspection

Inorganic Matter, Organic Matter

