





## **CERTIFICATE OF ANALYSIS**

License #: 80000016



Philip Travisano III, Ph.D.

**CTS Illinois State Director** 

Min E

Smithers CTS Illinois LLC 8205 Cass Ave. Ste. 106 Darien, IL 60561 (872)-870-0500





Certificate: 29060



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Cannabinoids	Sample Analysis
	Sample Prep Date: 03/26/2025
Tested	Sample Analysis Date: 03/27/2025
	Analyzed By: Agilent 1260 HPLC
	SOP: SOP-CANN-001

Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)	Results (mg/ serving)	Results (mg/ package)
CBC	-5e05	0.000100	ND	ND	ND	ND
CBCA	-5e05	0.000100	ND	ND	ND	ND
CBDV	-5e05	0.000100	ND	ND	ND	ND
CBDVA	-5e05	0.000100	ND	ND	ND	ND
CBD	-5e05	0.000100	0.000145	0.00145	0.0652	1.11
CBDA	-5e05	0.000100	ND	ND	ND	ND
CBG	-5e05	0.000100	0.000683	0.00683	0.307	5.23
CBGA	-5e05	0.000100	ND	ND	ND	ND
CBN	-5e05	0.000100	ND	ND	ND	ND
∆8-THC	-5e05	0.000100	ND	ND	ND	ND
Δ8-ΤΗϹ۷	-5e05	0.000100	NT	NT	NT	NT
∆9-тнс	-5e05	0.000100	0.0215	0.215	9.67	164
Δ9-ΤΗϹ۷	-5e05	0.000100	0.000296	0.00297	0.133	2.27
THCVA	-5e05	0.000100	ND	ND	ND	ND
THCA	-5e05	0.000100	ND	ND	ND	ND

Cannabinoid Totals	Results (%)	Results (%) Results (mg/g) Results (mg/serving)		Results (mg/package)
Total THC	0.0215	0.215	9.67	164
Total CBD	0.000145	0.00145	0.0652	1.11
Total Cannabinoids	0.0226	0.226	10.2	173

Total THC = THCa $^{\circ}0.877 + \Delta 9$ -THC Total CBD = CBDa $^{\circ}0.877 + CBD$ Total Cannabinoids = Sum of all analytes

Serving Weight: 45g;

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Terpenes	Sample Analysis
	Sample Prep Date: 03/26/2025
	Sample Analysis Date: 03/28/2025
Tested	Analyzed By: GC-FID
rested	SOP: SOP_TERP_002

Analyte	LOD (%)	LOQ (%)	Results (%)	Analyte	LOD (%)	LOQ (%)	Results (%)
3-Carene	0.00294	0.00881	ND	Fenchone	0.00586	0.0176	ND
α-Bisabolol	0.00294	0.00881	ND	Geraniol	0.00294	0.00881	ND
α-Cedrene	0.00294	0.00881	ND	Geranyl Acetate	0.00294	0.00881	ND
α-Humulene	0.00294	0.00881	ND	Guaiol	0.00294	0.00881	ND
α-Phellandrene	0.00294	0.00881	ND	Isoborneol	0.00294	0.00881	ND
α-Pinene	0.00294	0.00881	ND	Isopulegol	0.00294	0.00881	ND
α-Terpinene	0.00294	0.00881	ND	Limonene	0.00294	0.00881	ND
β-Caryophyllene	0.00294	0.00881	ND	Linalool	0.00294	0.00881	ND
β-Myrcene	0.00586	0.0176	ND	Menthol	0.00294	0.00881	ND
β-Pinene	0.00294	0.00881	ND	Nerol	0.00294	0.00881	ND
Borneol	0.00586	0.0176	ND	Pulegone	0.00294	0.00881	ND
Camphene	0.00294	0.00881	ND	Sabinene Hydrate	0.00294	0.00881	ND
Camphor	0.00881	0.0264	ND	Terpineol	0.00294	0.00881	ND
Caryophyllene Oxide	0.00294	0.00881	ND	Terpinolene	0.00294	0.00881	ND
Cedrol	0.00294	0.00881	ND	trans-Nerolidol	0.00294	0.00881	ND
cis-Nerolidol	0.00294	0.00881	ND	trans-Ocimene	0.00245	0.00736	ND
cis-Ocimene	0.000487	0.00145	ND	Valencene	0.00294	0.00881	ND
endo-Fenchyl Alcohol	0.00294	0.00881	ND	γ-Terpinene	0.00294	0.00881	ND
Eucalyptol	0.00294	0.00881	ND				



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Pesticides	Sample Analysis
	Sample Prep Date: 03/26/2025
	Sample Analysis Date: 03/27/2025
Tested	Analyzed By: Agilent Ultivo LC-MS/MS
Tested	SOP: SOP_PEST_001

Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)
Acetamiprid	4.58	9.16	ND	Flonicamid	11.4	22.9	ND
Aldicarb	9.16	18.3	ND	Imidacloprid	9.16	18.3	ND
Bifenthrin	9.16	18.3	ND	Kresoxim Methyl	4.58	9.16	ND
Carbaryl	9.16	18.3	ND	Metalaxyl	9.16	18.3	ND
Carbofuran	9.16	18.3	ND	Oxamyl	22.9	45.8	ND
Chlorantraniliprole	9.16	18.3	ND	Phosmet	9.16	18.3	ND
Chlorpyrifos	4.58	9.16	ND	Pyridaben	4.58	9.16	ND
Clofentezine	4.58	9.16	ND	Spiromesifen	4.58	9.16	ND
Diazinon	9.16	18.3	ND	Spirotetramat	4.58	9.16	ND
Ethroprophos	9.16	18.3	ND	Tebuconazole	18.3	36.6	ND
Etofenprox	4.58	9.16	ND	Thiamethoxam	9.16	18.3	ND
Etoxazole	4.58	9.16	ND	Trifloxystrobin	4.58	9.16	ND
Fenpyroximate	4.58	9.16	ND				

**Mycotoxins** 

### Sample Analysis

Sample Prep Date: 03/26/2025 Sample Analysis Date: 03/27/2025 Analyzed By: Agilent Ultivo LC-MS/MS SOP: SOP\_PEST\_001

Tested

Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)
Aflatoxin B1	6.04	18.3	ND
Aflatoxin B2	6.04	18.3	ND
Aflatoxin G1	6.04	18.3	ND
Aflatoxin G2	6.04	18.3	ND
Ochratoxin A	6.04	18.3	ND

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Heavy Metals	Sample Analysis
2	Sample Prep Date: 03/28/2025
	Sample Analysis Date: 03/31/2025
Tested	Analyzed By: Agilent 7800 ICP-MS
Testeu	SOP: SOP_HM_001

Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)
Cadmium	1.77	88.4	ND
Mercury	1.77	8.84	ND
Lead	1.77	88.4	ND
Chromium	1.77	88.4	ND
Arsenic	1.77	88.4	< LOQ

# **Microbial Impurities**

### Sample Analysis

Sample Prep Date: 03/26/2025 Sample Analysis Date: 03/28/2025 Analyzed By: 3M Petrifilm SOP: SOP\_MICRO\_001

Tested

	Results (cfu/g)	
	ND	
	Not Detected	
	Not Detected	
		ND ND ND ND ND Not Detected

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Sample Prep Date: 03/27/2025   Sample Analysis Date: 03/28/2025   Analyzed By: GCMS   SOP: SOP-RS-001	Residual Solvents	Sample Analysis
Tested Analyzed By: GCMS		Sample Prep Date: 03/27/2025
SOP: SOP-RS-001	Tested	
		SOP: SOP-RS-001

Analyte	LOD (ppm)	LOQ (ppm)	Results (ppm)
Acetone	5.97	11.9	ND
Butane	5.97	11.9	ND
Ethanol	5.97	11.9	329
Ethyl Acetate	5.97	11.9	ND
Ethyl Ether	5.97	11.9	ND
Ethylene Oxide	0.995	1.99	ND
Heptane	5.97	11.9	ND
Hexane	5.97	11.9	ND
Isopropyl Alcohol	5.97	11.9	ND
Methanol	5.97	11.9	ND
Methylene Chloride	5.97	11.9	ND
Pentane	5.97	11.9	ND
Petroleum Ether	5.97	11.9	ND
Propane	5.97	11.9	ND
Trichloroethylene	5.97	11.9	ND
Toluene	5.97	11.9	ND
Xylenes	11.9	23.9	ND

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0.0%

### Sample Analysis

Sample Prep Date: 03/26/2025 Sample Analysis Date: 03/26/2025 Analyzed By: Visual Inspection SOP: SOP\_FM\_001

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