



CERTIFICATE OF ANALYSIS

License #: 80000016

Certificate: 25550



Report Notes:

Landen Nickel

Operations Manager



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









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Cannabinoids	Sample Analysis
	Sample Prep Date: 10/29/2024
	Sample Analysis Date: 10/30/2024
Tested	Analyzed By: Agilent 1260 HPLC
Testeu	SOP: SOP-CANN-001

Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)	Results (mg/ serving)	Results (mg/ package)
СВС	4.95e-05	9.91e-05	< LOQ	< LOQ	< LOQ	< LOQ
CBCA	4.95e-05	9.91e-05	ND	ND	ND	ND
CBDV	4.95e-05	9.91e-05	ND	ND	ND	ND
CBDVA	4.95e-05	9.91e-05	ND	ND	ND	ND
CBD	4.95e-05	9.91e-05	ND	ND	ND	ND
CBDA	4.95e-05	9.91e-05	ND	ND	ND	ND
CBG	4.95e-05	9.91e-05	0.000195	0.00195	0.0234	0.117
CBGA	4.95e-05	9.91e-05	ND	ND	ND	ND
CBN	4.95e-05	9.91e-05	0.00022	0.0022	0.0264	0.132
Δ8-THC	4.95e-05	9.91e-05	ND	ND	ND	ND
Δ8-THCV	4.95e-05	9.91e-05	NT	NT	NT	NT
Δ9-ТНС	4.95e-05	9.91e-05	0.00759	0.0759	0.911	4.55
Δ9-THCV	4.95e-05	9.91e-05	ND	ND	ND	ND
THCVA	4.95e-05	9.91e-05	ND	ND	ND	ND
ТНСА	4.95e-05	9.91e-05	ND	ND	ND	ND

Cannabinoid Totals	Results (%)	Results (%) Results (mg/g)		Results (mg/package)
Total THC	0.00759	0.0759	0.911	4.55
Total CBD	ND	ND	ND	ND
Total Cannabinoids	0.00800	0.0800	0.960	4.80

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

Serving Weight: 12g;

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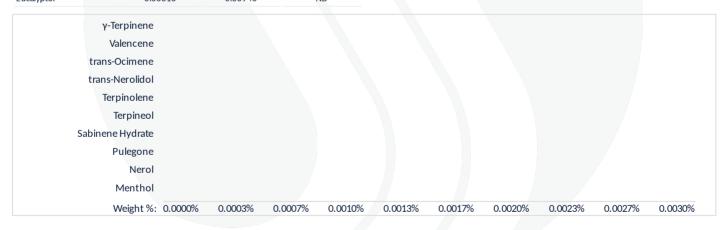


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Terpenes	Sample Analysis Sample Prep Date: 10/29/2024
	Sample Analysis Date: 10/30/2024
Tested	Analyzed By: GC-FID
TOTO	SOP: SOP_TERP_002

Analyte	LOD (%)	LOQ (%)	Results (%)	Analyte	LOD (%)	LOQ (%)	Results (%)
3-Carene	0.00316	0.00946	ND	Fenchone	0.00629	0.0189	ND
α-Bisabolol	0.00316	0.00946	ND	Geraniol	0.00316	0.00946	ND
α-Cedrene	0.00316	0.00946	ND	Geranyl Acetate	0.00316	0.00946	ND
α-Humulene	0.00316	0.00946	ND	Guaiol	0.00316	0.00946	ND
α-Phellandrene	0.00316	0.00946	ND	Isoborneol	0.00316	0.00946	ND
α-Pinene	0.00316	0.00946	ND	lsopulegol	0.00316	0.00946	ND
α-Terpinene	0.00316	0.00946	ND	Limonene	0.00316	0.00946	ND
β-Caryophyllene	0.00316	0.00946	ND	Linalool	0.00316	0.00946	ND
β-Myrcene	0.00629	0.0189	ND	Menthol	0.00316	0.00946	ND
β-Pinene	0.00316	0.00946	ND	Nerol	0.00316	0.00946	ND
Borneol	0.00629	0.0189	ND	Pulegone	0.00316	0.00946	ND
Camphene	0.00316	0.00946	ND	Sabinene Hydrate	0.00316	0.00946	ND
Camphor	0.00946	0.0284	ND	Terpineol	0.00316	0.00946	ND
Caryophyllene Oxide	0.00316	0.00946	ND	Terpinolene	0.00316	0.00946	ND
Cedrol	0.00316	0.00946	ND	trans-Nerolidol	0.00316	0.00946	ND
cis-Nerolidol	0.00316	0.00946	ND	trans-Ocimene	0.00263	0.00790	ND
cis-Ocimene	0.000523	0.00156	ND	Valencene	0.00316	0.00946	ND
endo-Fenchyl Alcohol	0.00316	0.00946	ND	γ-Terpinene	0.00316	0.00946	ND
Eucalyptol	0.00316	0.00946	ND				



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Pesticides	Sample Analysis
	Sample Prep Date: 10/29/2024
	Sample Analysis Date: 10/30/2024
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	4.95	9.91	ND	Flonicamid	12.4	24.8	ND
Aldicarb	9.91	19.8	ND	Imidacloprid	9.91	19.8	ND
Bifenthrin	9.91	19.8	ND	Kresoxim Methyl	4.95	9.91	ND
Carbaryl	9.91	19.8	ND	Metalaxyl	9.91	19.8	ND
Carbofuran	9.91	19.8	ND	Oxamyl	24.8	49.5	ND
Chlorantraniliprole	9.91	19.8	ND	Phosmet	9.91	19.8	ND
Chlorpyrifos	4.95	9.91	ND	Pyridaben	4.95	9.91	NT
Clofentezine	4.95	9.91	ND	Spiromesifen	4.95	9.91	ND
Diazinon	9.91	19.8	ND	Spirotetramat	4.95	9.91	ND
Ethroprophos	9.91	19.8	ND	Tebuconazole	19.8	39.6	ND
Etofenprox	4.95	9.91	ND	Thiamethoxam	9.91	19.8	ND
Etoxazole	4.95	9.91	ND	Trifloxystrobin	4.95	9.91	ND
Fenpyroximate	4.95	9.91	NT				

Mycotoxins

Sample Analysis

Sample Prep Date: 10/29/2024 Sample Analysis Date: 10/30/2024 Analyzed By: Agilent Ultivo LC-MS/MS SOP: SOP_PEST_001

Tested

Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)
Aflatoxin B1	6.54	19.8	ND
Aflatoxin B2	6.54	19.8	ND
Aflatoxin G1	6.54	19.8	ND
Aflatoxin G2	6.54	19.8	ND
Ochratoxin A	6.54	19.8	ND

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Heavy Metals	Sample Analysis
	Sample Prep Date: 10/29/2024
Tested	Sample Analysis Date: 10/30/2024
	Analyzed By: Agilent 7800 ICP-MS
	SOP: SOP_HM_001

Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)
Cadmium	1.68	84.2	ND
Mercury	1.68	8.42	ND
Lead	1.68	84.2	ND
Chromium	1.68	84.2	< LOQ
Arsenic	1.68	84.2	ND

Microbial Impurities

Sample Analysis

Sample Prep Date: 10/28/2024 Sample Analysis Date: 10/30/2024 Analyzed By: 3M Petrifilm SOP: SOP_MICRO_001

Tested

Analyte		Results (cfu/g)		
Total Aerobic Bacteria		ND		
Total Bile-Tolerant Gram-Negative Bacteria		ND		
Total Coliforms		ND		
Total Yeast & Mold		ND		
E. <i>coli</i> (pathogenic strains)		Not Detected		
Salmonella spp.		Not Detected		

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Residual Solvents	Sample Analysis	
	Sample Prep Date: 10/28/2024	
Tested	Sample Analysis Date: 10/29/2024	
	Analyzed By: GCMS	
	SOP: SOP-RS-001	

Analyte	LOD (ppm)	LOQ (ppm)	Results (ppm)
Acetone	7.50	15.0	ND
Butane	7.50	15.0	ND
Ethanol	7.50	15.0	871
Ethyl Acetate	7.50	15.0	< LOQ
Ethyl Ether	7.50	15.0	ND
Ethylene Oxide	1.25	2.50	ND
Heptane	7.50	15.0	ND
Hexane	7.50	15.0	ND
Isopropyl Alcohol	7.50	15.0	ND
Methanol	7.50	15.0	ND
Methylene Chloride	7.50	15.0	ND
Pentane	7.50	15.0	ND
Petroleum Ether	7.50	15.0	ND
Propane	7.50	15.0	ND
Trichloroethylene	7.50	15.0	ND
Toluene	7.50	15.0	ND
Xylenes	15.0	30.0	ND

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Foreign Matter

0.0%

Sample Analysis

Sample Prep Date: 10/30/2024 Sample Analysis Date: 10/30/2024 Analyzed By: Visual Inspection SOP: SOP_FM_001

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