





CERTIFICATE OF ANALYSIS

License #: 80000016

Cannabinoids	Sample Analysis
	Sample Prep Date: 10/16/2024
	Sample Analysis Date: 10/16/2024
Tested	Analyzed By: Agilent 1260 HPLC
rested	SOP: SOP-CANN-001

Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)	Results (mg/ serving)	Results (mg/ package)
СВС	-5e05	0.000100	< LOQ	< LOQ	< LOQ	< LOQ
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	ND	ND	ND	ND
CBDA	-5e05	0.000100	ND	ND	ND	ND
CBG	-5e05	0.000100	0.00015	0.00151	0.0181	0.0903
CBGA	-5e05	0.000100	ND	ND	ND	ND
CBN	-5e05	0.000100	0.000185	0.00185	0.0222	0.111
Δ8-THC	-5e05	0.000100	ND	ND	ND	ND
Δ8-THCV	-5e05	0.000100	NT	NT	NT	NT
Δ9-ТНС	-5e05	0.000100	0.00841	0.0841	1.01	5.05
Δ9-THCV	-5e05	0.000100	< LOQ	< LOQ	< LOQ	< LOQ
THCVA	-5e05	0.000100	ND	ND	ND	ND
THCA	-5e05	0.000100	ND	ND	ND	ND

Cannabinoid Totals	Results (%)	Results (mg/g)	Results (mg/serving)	Results (mg/package)
Total THC	0.00841	0.0841	1.01	5.05
Total CBD	ND	ND	ND	ND
Total Cannabinoids	0.00875	0.0875	1.05	5.25

Total THC = THCa^{*}0.877 + Δ 9-THC Total CBD = CBDa^{*}0.877 + CBD Total Cannabinoids = Sum of all analytes

Serving Weight: 12g;

Report Notes:

Landen Nickel

Operations Manager

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



This analysis was performed for R&D purposes and are for internal business use only. Test results apply to samples within this analysis only. Test results shall not be reproduced except in full without approval of the laboratory. Smithers CTS IL LLC uses simple acceptance for all pass/fail results. Uncertainty is not taken into account for pass/fail determinations.



Certificate: 25669



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Terpenes	Sample Analysis Sample Prep Date: 11/01/2024
Tested	Sample Analysis Date: 11/04/2024 Analyzed By: GC-FID SOP: SOP_TERP_002

Analyte	LOD (%)	LOQ (%)	Results (%)	Analyte	LOD (%)	LOQ (%)	Results (%)
3-Carene	0.00290	0.00869	ND	Fenchone	0.00578	0.0173	ND
α-Bisabolol	0.00290	0.00869	ND	Geraniol	0.00290	0.00869	ND
α-Cedrene	0.00290	0.00869	ND	Geranyl Acetate	0.00290	0.00869	ND
α-Humulene	0.00290	0.00869	ND	Guaiol	0.00290	0.00869	ND
α-Phellandrene	0.00290	0.00869	ND	Isoborneol	0.00290	0.00869	0.014
α-Pinene	0.00290	0.00869	ND	Isopulegol	0.00290	0.00869	ND
α-Terpinene	0.00290	0.00869	ND	Limonene	0.00290	0.00869	ND
β-Caryophyllene	0.00290	0.00869	ND	Linalool	0.00290	0.00869	ND
β-Myrcene	0.00578	0.0173	ND	Menthol	0.00290	0.00869	ND
β-Pinene	0.00290	0.00869	ND	Nerol	0.00290	0.00869	ND
Borneol	0.00578	0.0173	0.0257	Pulegone	0.00290	0.00869	ND
Camphene	0.00290	0.00869	ND	Sabinene Hydrate	0.00290	0.00869	ND
Camphor	0.00869	0.0261	< LOQ	Terpineol	0.00290	0.00869	ND
Caryophyllene Oxide	0.00290	0.00869	ND	Terpinolene	0.00290	0.00869	ND
Cedrol	0.00290	0.00869	ND	trans-Nerolidol	0.00290	0.00869	ND
cis-Nerolidol	0.00290	0.00869	ND	trans-Ocimene	0.00242	0.00726	ND
cis-Ocimene	0.000480	0.00143	ND	Valencene	0.00290	0.00869	ND
endo-Fenchyl Alcohol	0.00290	0.00869	ND	γ-Terpinene	0.00290	0.00869	ND
Eucalyptol	0.00290	0.00869	ND				

Borneol)
Camphor										
Isoborneol										
Menthol										
γ-Terpinene										
Valencene										
trans-Ocimene										
trans-Nerolidol										
Terpinolene										
Terpineol										
Weight %	. 0.0000%	0.0029%	0.0057%	0.0086%	0.0114%	0.0143%	0.0172%	0.0200%	0.0229%	0.0257%

Report Notes:

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Operations Manager

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Darien, IL 60561
(872)-870-0500









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Pesticides	Sample Analysis Sample Prep Date: 11/01/2024
Tested	Sample Analysis Date: 11/04/2024 Analyzed By: Agilent Ultivo LC-MS/MS SOP: SOP_PEST_001

Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)
Acetamiprid	4.91	9.81	ND	Flonicamid	12.3	24.5	ND
Aldicarb	9.81	19.6	ND	Imidacloprid	9.81	19.6	ND
Bifenthrin	9.81	19.6	ND	Kresoxim Methyl	4.91	9.81	ND
Carbaryl	9.81	19.6	ND	Metalaxyl	9.81	19.6	ND
Carbofuran	9.81	19.6	ND	Oxamyl	24.5	49.1	ND
Chlorantraniliprole	9.81	19.6	ND	Phosmet	9.81	19.6	ND
Chlorpyrifos	4.91	9.81	ND	Pyridaben	4.91	9.81	ND
Clofentezine	4.91	9.81	ND	Spiromesifen	4.91	9.81	ND
Diazinon	9.81	19.6	ND	Spirotetramat	4.91	9.81	ND
Ethroprophos	9.81	19.6	ND	Tebuconazole	19.6	39.2	ND
Etofenprox	4.91	9.81	ND	Thiamethoxam	9.81	19.6	ND
Etoxazole	4.91	9.81	ND	Trifloxystrobin	4.91	9.81	ND
Fenpyroximate	4.91	9.81	ND				

Mycotoxins

Sample Analysis

Sample Prep Date: 11/01/2024 Sample Analysis Date: 11/04/2024 Analyzed By: Agilent Ultivo LC-MS/MS SOP: SOP_PEST_001

Tested

Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)
flatoxin B1	6.48	19.6	ND
flatoxin B2	6.48	19.6	ND
flatoxin G1	6.48	19.6	ND
flatoxin G2	6.48	19.6	ND
Ochratoxin A	6.48	19.6	ND

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LA M

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Heavy Metals	Sample Analysis
	Sample Prep Date: 11/01/2024
	Sample Analysis Date: 11/04/2024
Tested	Analyzed By: Agilent 7800 ICP-MS
Tested	SOP: SOP_HM_001

Analyte	LOD (ppb)	LOQ (ppb)	Results (ppb)
Cadmium	1.71	85.3	ND
Mercury	1.71	8.53	ND
Lead	1.71	85.3	ND
Chromium	1.71	85.3	< LOQ
Arsenic	1.71	85.3	< LOQ

Microbial Impurities

Sample Analysis

Sample Prep Date: 11/01/2024 Sample Analysis Date: 11/04/2024 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.coli (pathogenic strains)			Not Detected	
Salmonella spp.			Not Detected	

Report Notes:

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Residual Solvents	Sample Analysis Sample Prep Date: 11/01/2024
Tested	Sample Analysis Date: 11/04/2024 Analyzed By: GCMS SOP: SOP-RS-001

Analyte	LOD (ppm)	LOQ (ppm)	Results (ppm)
Acetone	7.40	14.8	ND
Butane	7.40	14.8	ND
Ethanol	7.40	14.8	544
Ethyl Acetate	7.40	14.8	ND
Ethyl Ether	7.40	14.8	ND
Ethylene Oxide	1.23	2.47	ND
Heptane	7.40	14.8	ND
Hexane	7.40	14.8	ND
Isopropyl Alcohol	7.40	14.8	ND
Methanol	7.40	14.8	ND
Methylene Chloride	7.40	14.8	ND
Pentane	7.40	14.8	ND
Petroleum Ether	7.40	14.8	ND
Propane	7.40	14.8	ND
Trichloroethylene	7.40	14.8	ND
Toluene	7.40	14.8	ND
Xylenes	14.8	29.6	ND

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Foreign Matter

0.0%

Sample Analysis

Sample Prep Date: 11/01/2024 Sample Analysis Date: 11/01/2024 Analyzed By: Visual Inspection SOP: SOP_FM_001

Report Notes:

Landen Nickel

Operations Manager

LAM

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

