



CATLAB, LLC
19 Levesque Dr. #3
Eliot, ME 03903
207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Blue Sky	License Number	AM309
Address	1385 Mercer Rd. Mercer, ME 04957	Phone	(207)587-2092
Order ID	1687	Sample Type	Concentrate CO ₂ / Solvent
Sample ID	06251	Strain	ACDC Cure Res 4191
METRC Sample ID	1A40D0300000FA1000004191	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	7g
Date/Time of Collection	03/27/2023 09:10 AM	Collected By	Tyler Petersen
		Date Generated	04/04/2023

Summary of Results

Filtration and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Residual Solvents Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Homogeneity Profile	
%RSD THC	0.755
%RSD CBD	N/A
Pass/Fail	Pass
Pass/Fail Limit is 15%	

Potency Profile	
Cannabinoid	Result mg/g
CBDV	5.06
THCV	8.03
CBDA	0.308
CBD	336
CBG	16.7
CBN	4.58
CBGA	2.10
CBC	24.4
exoTHC	< RL
Δ9-THC	431
Δ8THC	1.46
THCA	< RL
Total Cannabinoids %	83.0
Total CBD mg/g	337
Total THC mg/g	431
Total CBD %	33.7
Total THC %	43.1

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Homogeneity

Date Analyzed: 3/31/23
Instrument: UPLC CAT-0002

Prep Date: 3/30/23
Method: SOP-QA-0014

Analyst: AC

Analyte	Finding (mg/g)
Total THC Replicate 1	431
Total THC Replicate 2	425
Total THC Replicate 3	430
%RSD THC	0.755

Potency

Date Analyzed: 3/31/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/30/23
Method: SOP-QA-0016

Analyst: AC

Potency	Result %	Result (mg/g)	RL (mg/g)
CBDV	0.506	5.06	0.214
THCV	0.803	8.03	0.214
CBDA	0.0308	0.308	0.214
CBD	33.6	336	0.214
CBG	1.67	16.7	0.214
CBN	0.458	4.58	0.214
CBGA	0.210	2.10	0.214
CBC	2.44	24.4	0.214
exoTHC	< RL	< RL	0.214
Δ9-THC	43.1	431	0.214
Δ8THC	0.146	1.46	0.214
THCA	< RL	< RL	0.214

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Residual Solvents

Date Analyzed: 3/31/23
Instrument: CAT_0162

Prep Date: 3/30/23
Method: SOP QA-0036

Analyst: LCH

Analyte	Result (PPM)	RL (PPM)	Action Limit (PPM)	Pass/Fail
Acetone	< RL	600	5000	Pass
Acetonitrile	< RL	289	410	Pass
Butanes	< RL	695	5000	Pass
Ethanol	< RL	699	5000	Pass
Ethyl acetate	< RL	660	5000	Pass
Ethyl ether	< RL	597	5000	Pass
Heptanes	< RL	613	5000	Pass
Hexane	< RL	263	290	Pass
Isopropyl alcohol	< RL	723	5000	Pass
Methanol	< RL	697	3000	Pass
Pentane	< RL	665	5000	Pass
Propane	< RL	957	5000	Pass
Toluene	< RL	660	890	Pass
m,p-Xylenes	< RL	337	2170*	Pass
o-Xylenes	< RL	342	2170*	Pass
1,2-Dichloroethane	< RL	1.00	1	Pass
Benzene	< RL	1.00	1	Pass
Chloroform	< RL	1.00	1	Pass
Ethylene oxide	< RL	1.00	1	Pass
Methylene chloride	< RL	1.00	1	Pass
Trichloroethylene	< RL	0.900	1	Pass

Note: QC samples presented analytes outside criteria with high bias for heptane in CCVs.

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Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	97.8	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Malathion	< RL	66.0	200	Pass
Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
Clofentezine	< RL	56.7	200	Pass	Methomyl	< RL	31.2	400	Pass
Cyfluthrin	< RL	798	1000	Pass	Methyl parathion	< RL	193	200	Pass
Cypermethrin	< RL	196	1000	Pass	MGK-264 ²	< RL	70.2	200	Pass
Daminozide	< RL	329	1000	Pass	Myclobutanil	< RL	37.3	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	Naled	< RL	42.2	500	Pass
Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
Dimethoate	< RL	39.9	200	Pass	Paclobutrazol	< RL	52.5	400	Pass
Ethoprophos	< RL	33.9	200	Pass					

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Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Permethrin ³	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

LCS: acequinocyl, carbaryl, DDVP, fenoxycarb, methiocarb, methomyl. SMB: several analytes outside criteria. CCV: high bias acephate, dimethoate, flonicamid, methomyl; low bias acequinocyl, aldicarb, carbaryl, propoxur, spiroxamine.

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Heavy Metals

Date Analyzed: 3/29/23
Instrument: CAT-0093

Prep Date: 3/28/23
Method: SOP-QA-0030

Analyst: ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	53.5	200	Pass
Cadmium	< RL	26.6	200	Pass
Lead	< RL	27.6	500	Pass
Mercury	< RL	2.42	100	Pass

Microbial Analysis

Prep Date Bacteria: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
Analyst: kw

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	10,000	Pass
Total Yeast/Mold	< RL	100	1,000	Pass
Total Enterobacter	< RL	10	100	Pass
Total Coliform	< RL	10	100	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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Filth and Foreign Materials

Date Analyzed: 3/28/23
Instrument: Visual Inspection

Prep Date: 3/28/23
Method: SOP-QA-0018

Analyst: ITG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

Deisy Peña-Romero Lab Director



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Summary of Results

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Residual Solvents Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Homogeneity Profile	
%RSD THC	0.712
%RSD CBD	N/A
Pass/Fail	Pass
Pass/Fail Limit is 15%	

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	3.09
CBDA	0.715
CBD	1.83
CBG	24.7
CBN	5.67
CBGA	10.0
CBC	9.65
exoTHC	< RL
Δ^9 -THC	760
Δ^8 THC	0.532
THCA	9.86
Total Cannabinoids %	82.6
Total CBD mg/g	2.46
Total THC mg/g	768
Total CBD %	0.246
Total THC %	76.8

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Homogeneity

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Instrument: UPLC CAT-0002

Prep Date: 3/30/23
Method: SOP-QA-0014

Analyst: AC

Analyte	Finding (mg/g)
Total THC Replicate 1	768
Total THC Replicate 2	772
Total THC Replicate 3	761
%RSD THC	0.712

Potency

Date Analyzed: 3/31/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/30/23
Method: SOP-QA-0016

Analyst: AC

Potency	Result %	Result (mg/g)	RL (mg/g)
CBDV	< RL	< RL	0.214
THCV	0.309	3.09	0.214
CBDA	0.0715	0.715	0.214
CBD	0.183	1.83	0.214
CBG	2.47	24.7	0.214
CBN	0.567	5.67	0.214
CBGA	1.00	10.0	0.214
CBC	0.965	9.65	0.214
exoTHC	< RL	< RL	0.214
Δ9-THC	76.0	760	0.214
Δ8THC	0.0532	0.532	0.214
THCA	0.986	9.86	0.214

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Method: SOP QA-0036

Analyst: LCH

Analyte	Result (PPM)	RL (PPM)	Action Limit (PPM)	Pass/Fail
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Acetonitrile	< RL	289	410	Pass
Butanes	< RL	695	5000	Pass
Ethanol	< RL	699	5000	Pass
Ethyl acetate	< RL	660	5000	Pass
Ethyl ether	< RL	597	5000	Pass
Heptanes	< RL	613	5000	Pass
Hexane	< RL	263	290	Pass
Isopropyl alcohol	< RL	723	5000	Pass
Methanol	< RL	697	3000	Pass
Pentane	< RL	665	5000	Pass
Propane	< RL	957	5000	Pass
Toluene	< RL	660	890	Pass
m,p-Xylenes	< RL	337	2170*	Pass
o-Xylenes	< RL	342	2170*	Pass
1,2-Dichloroethane	< RL	1.00	1	Pass
Benzene	< RL	1.00	1	Pass
Chloroform	< RL	1.00	1	Pass
Ethylene oxide	< RL	1.00	1	Pass
Methylene chloride	< RL	1.00	1	Pass
Trichloroethylene	< RL	0.900	1	Pass

Note: QC samples presented analytes outside criteria with high bias for heptane in CCVs.

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CATLAB, LLC
19 Levesque Dr. #3
Eliot, ME 03903
207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Blue Sky	License Number	AM309
Address	1385 Mercer Rd. Mercer, ME 04957	Phone	(207)587-2092
Order ID	1687	Sample Type	Concentrate CO ₂ / Solvent
Sample ID	06252	Strain	Ghost Cherry Limeaid 4193
METRC Sample ID	1A40D0300000FA1000004193	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	8g
Date/Time of Collection	03/27/2023 09:20 AM	Collected By	Tyler Petersen
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Malathion	< RL	66.0	200	Pass
Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
Clofentezine	< RL	56.7	200	Pass	Methomyl	< RL	31.2	400	Pass
Cyfluthrin	< RL	798	1000	Pass	Methyl parathion	< RL	193	200	Pass
Cypermethrin	< RL	196	1000	Pass	MGK-264 ²	< RL	70.2	200	Pass
Daminozide	< RL	329	1000	Pass	Myclobutanil	< RL	37.3	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	Naled	< RL	42.2	500	Pass
Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
Dimethoate	< RL	39.9	200	Pass	Paclobutrazol	< RL	52.5	400	Pass
Ethoprophos	< RL	33.9	200	Pass					

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Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Permethrin ³	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

LCS: acequinocyl, carbaryl, DDVP, fenoxycarb, methiocarb, methomyl. SMB: several analytes outside criteria. CCV: high bias acephate, dimethoate, flonicamid, methomyl; low bias acequinocyl, aldicarb, carbaryl, propoxur, spiroxamine.

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Sample ID	06252	Strain	Ghost Cherry Limeaid 4193
METRC Sample ID	1A40D0300000FA1000004193	Serving Mass (g)/ Package	/
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		Date Generated	04/04/2023

Heavy Metals

Date Analyzed: 3/29/23
Instrument: CAT-0093

Prep Date: 3/28/23
Method: SOP-QA-0030

Analyst: ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	53.5	200	Pass
Cadmium	< RL	26.6	200	Pass
Lead	< RL	27.6	500	Pass
Mercury	< RL	2.42	100	Pass

Microbial Analysis

Prep Date Bacteria: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
Analyst: kw

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	10,000	Pass
Total Yeast/Mold	< RL	100	1,000	Pass
Total Enterobacter	< RL	10	100	Pass
Total Coliform	< RL	10	100	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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Filth and Foreign Materials

Date Analyzed: 3/28/23
Instrument: Visual Inspection

Prep Date: 3/28/23
Method: SOP-QA-0018

Analyst: ITG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

Deisy Peña-Romero Lab Director



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Certificate of Analysis

Client Name	Blue Sky	License Number	AM309
Address	1385 Mercer Rd. Mercer, ME 04957	Phone	(207)587-2092
Order ID	1687	Sample Type	Concentrate CO ₂ / Solvent
Sample ID	06253	Strain	Orange Tree Cured 4195
METRC Sample ID	1A40D0300000FA1000004195	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/27/2023 09:30 AM	Collected By	Tyler Petersen
		Date Generated	04/04/2023

Summary of Results

Filtration and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Residual Solvents Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Homogeneity Profile	
%RSD THC	0.240
%RSD CBD	N/A
Pass/Fail	Pass
Pass/Fail Limit is 15%	

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	8.79
CBDA	0.306
CBD	1.70
CBG	8.06
CBN	7.28
CBGA	0.931
CBC	< RL
exoTHC	< RL
Δ9-THC	800
Δ8THC	0.551
THCA	< RL
Total Cannabinoids %	82.8
Total CBD mg/g	1.97
Total THC mg/g	800
Total CBD %	0.197
Total THC %	80.0

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Homogeneity

Date Analyzed: 3/31/23
Instrument: UPLC CAT-0002

Prep Date: 3/30/23
Method: SOP-QA-0014

Analyst: AC

Analyte	Finding (mg/g)
Total THC Replicate 1	800
Total THC Replicate 2	797
Total THC Replicate 3	799
%RSD THC	0.240

Potency

Date Analyzed: 3/31/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/30/23
Method: SOP-QA-0016

Analyst: AC

Potency	Result %	Result (mg/g)	RL (mg/g)
CBDV	< RL	< RL	0.214
THCV	0.879	8.79	0.214
CBDA	0.0306	0.306	0.214
CBD	0.170	1.70	0.214
CBG	0.806	8.06	0.214
CBN	0.728	7.28	0.214
CBGA	0.0931	0.931	0.214
CBC	< RL	< RL	0.214
exoTHC	< RL	< RL	0.214
Δ9-THC	80.0	800	0.214
Δ8THC	0.0551	0.551	0.214
THCA	< RL	< RL	0.214

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		Date Generated	04/04/2023

Residual Solvents

Date Analyzed: 3/31/23
Instrument: CAT_0162

Prep Date: 3/30/23
Method: SOP QA-0036

Analyst: LCH

Analyte	Result (PPM)	RL (PPM)	Action Limit (PPM)	Pass/Fail
Acetone	< RL	600	5000	Pass
Acetonitrile	< RL	289	410	Pass
Butanes	< RL	695	5000	Pass
Ethanol	< RL	699	5000	Pass
Ethyl acetate	< RL	660	5000	Pass
Ethyl ether	< RL	597	5000	Pass
Heptanes	< RL	613	5000	Pass
Hexane	< RL	263	290	Pass
Isopropyl alcohol	< RL	723	5000	Pass
Methanol	< RL	697	3000	Pass
Pentane	< RL	665	5000	Pass
Propane	< RL	957	5000	Pass
Toluene	< RL	660	890	Pass
m,p-Xylenes	< RL	337	2170*	Pass
o-Xylenes	< RL	342	2170*	Pass
1,2-Dichloroethane	< RL	1.00	1	Pass
Benzene	< RL	1.00	1	Pass
Chloroform	< RL	1.00	1	Pass
Ethylene oxide	< RL	1.00	1	Pass
Methylene chloride	< RL	1.00	1	Pass
Trichloroethylene	< RL	0.900	1	Pass

Note: QC samples presented analytes outside criteria with high bias for heptane in CCVs.

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Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
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Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
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Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
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Pesticides

Date Analyzed: 3/31/23
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Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
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Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

LCS: acequinocyl, carbaryl, DDVP, fenoxycarb, methiocarb, methomyl. SMB: several analytes outside criteria. CCV: high bias acephate, dimethoate, flonicamid, methomyl; low bias acequinocyl, aldicarb, carbaryl, propoxur, spiroxamine.

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CATLAB, LLC
19 Levesque Dr. #3
Eliot, ME 03903
207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Blue Sky	License Number	AM309
Address	1385 Mercer Rd. Mercer, ME 04957	Phone	(207)587-2092
Order ID	1687	Sample Type	Concentrate CO ₂ / Solvent
Sample ID	06253	Strain	Orange Tree Cured 4195
METRC Sample ID	1A40D0300000FA1000004195	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/27/2023 09:30 AM	Collected By	Tyler Petersen
		Date Generated	04/04/2023

Heavy Metals

Date Analyzed: 3/29/23
Instrument: CAT-0093

Prep Date: 3/28/23
Method: SOP-QA-0030

Analyst: ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	53.5	200	Pass
Cadmium	< RL	26.6	200	Pass
Lead	< RL	27.6	500	Pass
Mercury	< RL	2.42	100	Pass

Microbial Analysis

Prep Date Bacteria: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
Analyst: kw

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	10,000	Pass
Total Yeast/Mold	< RL	100	1,000	Pass
Total Enterobacter	< RL	10	100	Pass
Total Coliform	< RL	10	100	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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		Date Generated	04/04/2023

Filth and Foreign Materials

Date Analyzed: 3/28/23
Instrument: Visual Inspection

Prep Date: 3/28/23
Method: SOP-QA-0018

Analyst: ITG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

Deisy Peña-Romero Lab Director



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Certificate of Analysis

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Address	1385 Mercer Rd. Mercer, ME 04957	Phone	(207)587-2092
Order ID	1687	Sample Type	Concentrate CO ₂ / Solvent
Sample ID	06254	Strain	Distillate 4197
METRC Sample ID	1A40D0300000FA1000004197	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	14g
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		Date Generated	04/04/2023

Summary of Results

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Residual Solvents Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Homogeneity Profile	
%RSD THC	0.879
%RSD CBD	N/A
Pass/Fail	Pass
Pass/Fail Limit is 15%	

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	5.21
CBDA	< RL
CBD	3.39
CBG	25.8
CBN	13.1
CBGA	0.445
CBC	6.75
exoTHC	< RL
Δ9-THC	878
Δ8THC	1.35
THCA	< RL
Total Cannabinoids %	93.4
Total CBD mg/g	3.39
Total THC mg/g	878
Total CBD %	0.339
Total THC %	87.8

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Certificate of Analysis

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Sample ID	06254	Strain	Distillate 4197
METRC Sample ID	1A40D0300000FA1000004197	Serving Mass (g)/ Package	/
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		Date Generated	04/04/2023

Homogeneity

Date Analyzed: 3/31/23
Instrument: UPLC CAT-0002

Prep Date: 3/30/23
Method: SOP-QA-0014

Analyst: AC

Analyte	Finding (mg/g)
Total THC Replicate 1	878
Total THC Replicate 2	890
Total THC Replicate 3	876
%RSD THC	0.879

Potency

Date Analyzed: 3/31/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/30/23
Method: SOP-QA-0016

Analyst: AC

Potency	Result %	Result (mg/g)	RL (mg/g)
CBDV	< RL	< RL	0.214
THCV	0.521	5.21	0.214
CBDA	< RL	< RL	0.214
CBD	0.339	3.39	0.214
CBG	2.58	25.8	0.214
CBN	1.31	13.1	0.214
CBGA	0.0445	0.445	0.214
CBC	0.675	6.75	0.214
exoTHC	< RL	< RL	0.214
Δ9-THC	87.8	878	0.214
Δ8THC	0.135	1.35	0.214
THCA	< RL	< RL	0.214

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Sample ID	06254	Strain	Distillate 4197
METRC Sample ID	1A40D0300000FA1000004197	Serving Mass (g)/ Package	/
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		Date Generated	04/04/2023

Residual Solvents

Date Analyzed: 3/31/23
Instrument: CAT_0162

Prep Date: 3/30/23
Method: SOP QA-0036

Analyst: LCH

Analyte	Result (PPM)	RL (PPM)	Action Limit (PPM)	Pass/Fail
Acetone	< RL	600	5000	Pass
Acetonitrile	< RL	289	410	Pass
Butanes	< RL	695	5000	Pass
Ethanol	< RL	699	5000	Pass
Ethyl acetate	< RL	660	5000	Pass
Ethyl ether	< RL	597	5000	Pass
Heptanes	< RL	613	5000	Pass
Hexane	< RL	263	290	Pass
Isopropyl alcohol	< RL	723	5000	Pass
Methanol	< RL	697	3000	Pass
Pentane	< RL	665	5000	Pass
Propane	< RL	957	5000	Pass
Toluene	< RL	660	890	Pass
m,p-Xylenes	< RL	337	2170*	Pass
o-Xylenes	< RL	342	2170*	Pass
1,2-Dichloroethane	< RL	1.00	1	Pass
Benzene	< RL	1.00	1	Pass
Chloroform	< RL	1.00	1	Pass
Ethylene oxide	< RL	1.00	1	Pass
Methylene chloride	< RL	1.00	1	Pass
Trichloroethylene	< RL	0.900	1	Pass

Note: QC samples presented analytes outside criteria with high bias for heptane in CCVs.

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		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	157	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Malathion	< RL	66.0	200	Pass
Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
Clofentezine	< RL	56.7	200	Pass	Methomyl	< RL	31.2	400	Pass
Cyfluthrin	< RL	798	1000	Pass	Methyl parathion	< RL	193	200	Pass
Cypermethrin	< RL	196	1000	Pass	MGK-264 ²	< RL	70.2	200	Pass
Daminozide	< RL	329	1000	Pass	Myclobutanil	< RL	37.3	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	Naled	< RL	42.2	500	Pass
Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
Dimethoate	< RL	39.9	200	Pass	Paclobutrazol	< RL	52.5	400	Pass
Ethoprophos	< RL	33.9	200	Pass					

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Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Permethrin ³	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

LCS: acequinocyl, carbaryl, DDVP, fenoxycarb, methiocarb, methomyl. SMB: several analytes outside criteria. CCV: high bias acephate, dimethoate, flonicamid, methomyl; low bias acequinocyl, aldicarb, carbaryl, propoxur, spiroxamine.

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Heavy Metals

Date Analyzed: 3/29/23
Instrument: CAT-0093

Prep Date: 3/28/23
Method: SOP-QA-0030

Analyst: ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	53.5	200	Pass
Cadmium	< RL	26.6	200	Pass
Lead	< RL	27.6	500	Pass
Mercury	< RL	2.42	100	Pass

Microbial Analysis

Prep Date Bacteria: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
Analyst: kw

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	10,000	Pass
Total Yeast/Mold	< RL	100	1,000	Pass
Total Enterobacter	< RL	10	100	Pass
Total Coliform	< RL	10	100	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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Date Analyzed: 3/28/23
Instrument: Visual Inspection

Prep Date: 3/28/23
Method: SOP-QA-0018

Analyst: ITG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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