



261 Mountain View Dr
 Colchester, VT 05446
 License #: TLAB0030
 802-767-7256
 info@onwardanalytics.biz

Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT17228
Sample Name: Platinum Sunset Sherbet Live Rosin Cart
Sample Lot: manu0088-0048-1
Sample Matrix: Mechanical Extraction Concentrates
Date Received: 1/7/2025
Date Reported: 1/15/2025
Date Tested: 1/13/2025



Total Cannabinoids		
	%	mg/g
Total THC:	69.776	697.761
Total CBD:	--	--
Total Cannabinoids:	72.368	723.676

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #56035

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.8882	8.882	0.0003	0.0040
CBCA	ND	ND	0.0002	0.0040
CBD	< LOQ	< LOQ	0.0008	0.0040
CBDA	ND	ND	0.0002	0.0040
CBDV	ND	ND	0.0008	0.0040
CBDVA	ND	ND	0.0001	0.0040
CBG	1.7033	17.033	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
CBN	ND	ND	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	ND	ND	0.0012	0.0040
D9 THC	69.7761	697.761	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	ND	ND	0.0002	0.0040
THCV	< LOQ	< LOQ	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman

Callie Chapman
 Lab Director
 1/15/2025

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.





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Sample Lot: manu0088-0048-1
Sample Matrix: Mechanical Extraction Concentrates
Date Received: 1/7/2025
Date Reported: 1/15/2025
Date Tested: 1/9/2025



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #56036

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS



Callie Chapman
 Lab Director
 1/15/2025

Rev. 1 Initial Release

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Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT12678
Sample Name: Lemon Sorbetto
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/26/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #38705

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS



Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

Rev. 1 Initial Release

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Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT12678
Sample Name: Lemon Sorbetto
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/27/2024



Total Cannabinoids		
	%	mg/g
Total THC:	14.638	146.377
Total CBD:	--	--
Total Cannabinoids:	16.892	168.923

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #38702

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.31	3.1	0.2719	2.719	0.0002	0.0040
CBD	ND	ND	ND	ND	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	ND	ND	ND	ND	0.0009	0.0040
CBGA	< LOQ	< LOQ	< LOQ	< LOQ	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	< LOQ	< LOQ	< LOQ	< LOQ	0.0012	0.0040
D9 THC	0.7727	7.727	0.6778	6.778	0.0016	0.0049
D10 THC	< LOQ	< LOQ	< LOQ	< LOQ	0.0004	0.0040
THCA	15.8096	158.096	13.8682	138.682	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	ND	ND	ND	ND	0.0002	0.0040

Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #38703

Analyte	Result (%)	Limit	Pass/Fail
Moisture	12.28	13.00	
Water Activity	0.56	0.65	PASS

Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

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Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT12678
Sample Name: Lemon Sorbetto
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/27/2024



Total Terpenes (%) : 1.5955

Dominant Terpenes (%)	
beta-caryophyllene	0.6665
Limonene	0.3374
alpha-Humulene	0.2079
Linalool	0.119
alpha-Bisabolol	0.076

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #38704

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.076	0.76	0.000003	0.001
alpha-Humulene	0.2079	2.079	0.000002	0.001
alpha-Pinene	0.0323	0.323	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	ND	ND	0.000004	0.001
beta-caryophyllene	0.6665	6.665	0.000004	0.001
beta-Pinene	0.0483	0.483	0.000002	0.001
Camphene	0.0087	0.087	0.000001	0.001
Caryophyllene Oxide	0.0282	0.282	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.3374	3.374	0.000002	0.001
Linalool	0.119	1.19	0.000003	0.001
Nerolidol	0.0198	0.198	0.000007	0.001
Myrcene	0.0514	0.514	0.000003	0.001
Ocimene	ND	ND	0.000002	0.001
Total Terpenes	1.5955	15.955		

Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

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Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT12679
Sample Name: Sunset Sherbert
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/26/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #38709

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS



Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

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Sample ID: VT12679
Sample Name: Sunset Sherbert
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/27/2024



Total Cannabinoids		
	%	mg/g
Total THC:	14.921	149.206
Total CBD:	--	--
Total Cannabinoids:	17.464	174.638

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #38706

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040
CBD	ND	ND	ND	ND	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	ND	ND	ND	ND	0.0009	0.0040
CBGA	0.4979	4.979	0.434	4.34	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	ND	0.0012	0.0040
D9 THC	0.3372	3.372	0.2939	2.939	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	16.6287	166.287	14.4953	144.953	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040

Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #38707

Analyte	Result (%)	Limit	Pass/Fail
Moisture	12.83	13.00	PASS
Water Activity	0.58	0.65	

Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

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Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT12679
Sample Name: Sunset Sherbert
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/27/2024



Total Terpenes (%) : 0.8864

Dominant Terpenes (%)	
beta-caryophyllene	0.4039
Limonene	0.1312
alpha-Humulene	0.1122
Myrcene	0.0589
alpha-Bisabolol	0.0483

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #38708

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.0483	0.483	0.000003	0.001
alpha-Humulene	0.1122	1.122	0.000002	0.001
alpha-Pinene	0.0224	0.224	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	ND	ND	0.000004	0.001
beta-caryophyllene	0.4039	4.039	0.000004	0.001
beta-Pinene	0.0299	0.299	0.000002	0.001
Camphene	0.0054	0.054	0.000001	0.001
Caryophyllene Oxide	0.0143	0.143	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.1312	1.312	0.000002	0.001
Linalool	0.0315	0.315	0.000003	0.001
Nerolidol	ND	ND	0.000007	0.001
Myrcene	0.0589	0.589	0.000003	0.001
Ocimene	0.0284	0.284	0.000002	0.001
Total Terpenes	0.8864	8.864		

Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

Rev. 1 Initial Release

ONWARD ANALYTICS

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Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT12680
Sample Name: Platinum Punch
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/26/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #38713

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS



Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

Rev. 1 Initial Release

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Certificate of Analysis

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License Number: SCLT0364

Sample ID: VT12680
Sample Name: Platinum Punch
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/28/2024



Total Cannabinoids		
	%	mg/g
Total THC:	14.585	145.852
Total CBD:	--	--
Total Cannabinoids:	17.408	174.084

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #38710

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040
CBD	ND	ND	ND	ND	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	< LOQ	< LOQ	< LOQ	< LOQ	0.0009	0.0040
CBGA	0.5884	5.884	0.5141	5.141	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	ND	0.0012	0.0040
D9 THC	0.3133	3.133	0.2737	2.737	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	16.2736	162.736	14.2182	142.182	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	0.2331	2.331	0.2036	2.036	0.0002	0.0040

Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #38711

Analyte	Result (%)	Limit	Pass/Fail
Moisture	12.63	13.00	PASS
Water Activity	0.57	0.65	

Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

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Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT12680
Sample Name: Platinum Punch
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/28/2024



Total Terpenes (%) : 0.8518

Dominant Terpenes (%)	
Limonene	0.265
beta-caryophyllene	0.2048
Ocimene	0.1482
alpha-Humulene	0.0554
alpha-Pinene	0.0512

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #38712

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.0244	0.244	0.000003	0.001
alpha-Humulene	0.0554	0.554	0.000002	0.001
alpha-Pinene	0.0512	0.512	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	ND	ND	0.000004	0.001
beta-caryophyllene	0.2048	2.048	0.000004	0.001
beta-Pinene	0.0492	0.492	0.000002	0.001
Camphene	0.0085	0.085	0.000001	0.001
Caryophyllene Oxide	0.0197	0.197	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	< LOQ	< LOQ	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.265	2.65	0.000002	0.001
Linalool	0.0067	0.067	0.000003	0.001
Nerolidol	ND	ND	0.000007	0.001
Myrcene	0.0187	0.187	0.000003	0.001
Ocimene	0.1482	1.482	0.000002	0.001
Total Terpenes	0.8518	8.518		

Callie Chapman

Callie Chapman
 Lab Director
 9/3/2024

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.





261 Mountain View Dr
 Colchester, VT 05446
 License #: TLAB0030
 802-767-7256
 info@onwardanalytics.biz

Certificate of Analysis

Client Name: Atlas Cultivars
License Number: SCLT0364

Sample ID: VT12681
Sample Name: HL: LS, SS, PP
Sample Lot: 52824
Sample Matrix: Flower
Date Received: 8/26/2024
Date Reported: 9/3/2024
Date Tested: 8/26/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #38714

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00944	0.03114
Abamectin B1b	Pass	ND	0.10000	0.00034	0.00113
Acephate	Pass	ND	0.10000	0.00404	0.01333
Acequinocyl	Pass	ND	0.10000	0.02821	0.09310
Azoxystrobin	Pass	ND	0.10000	0.00298	0.00983
Bifenazate	Pass	ND	0.10000	0.00129	0.00427
Bifenthrin	Pass	ND	3.00000	0.01005	0.03317
Carbaryl	Pass	ND	0.50000	0.00402	0.01325
Chlorpyrifos	Pass	ND	0.04000	0.00403	0.01329
Cypermethrin	Pass	ND	1.00000	0.01010	0.03333
Etoxazole	Pass	ND	0.10000	0.00404	0.01333
Imazalil	Pass	ND	0.04000	0.01073	0.03539
Imidacloprid	Pass	ND	5.00000	0.00401	0.01323
Myclobutanil	Pass	ND	0.10000	0.00308	0.01016
Spinosyn A	Pass	ND	0.10000	0.00312	0.01029
Spinosyn D	Pass	ND	0.10000	0.00083	0.00273
Pyrethrins	Pass	ND	0.50000	0.00022 0.00498 *	0.00072 0.00015 *

* Pyrethrins action limit represents sum of isomers I & II



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Rev. 1 Initial Release

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