



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

Certificate of Analysis

Client Name: Sun Valley Herbcraft
License Number: CLTV0365

Sample ID: VT13972
Sample Name: Irish Punch
Sample Lot: CLTV0365-01-5
Sample Matrix: Flower
Date Received: 10/8/2024
Date Reported: 10/14/2024
Date Tested: 10/10/2024



Total Cannabinoids		
	%	mg/g
Total THC:	19.487	194.866
Total CBD:	--	--
Total Cannabinoids:	22.674	226.741

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: #43003

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.3314	3.314	0.2955	2.955	0.0002	0.0040
CBD	< LOQ	< LOQ	< LOQ	< LOQ	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	ND	ND	ND	ND	0.0012	0.0040
D9 THC	0.501	5.01	0.4467	4.467	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	21.6483	216.483	19.3038	193.038	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	0.1934	1.934	0.1725	1.725	0.0002	0.0040

Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #43004

Analyte	Result (%)	Limit	Pass/Fail
Moisture	10.83	13.00	
Water Activity	0.47	0.65	PASS

Callie Chapman
 Lab Director
 10/14/2024

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Date Received: 10/8/2024
Date Reported: 10/14/2024
Date Tested: 10/10/2024



Total Terpenes (%) : 2.6139

Dominant Terpenes (%)	
alpha-Terpinolene	0.8196
alpha-Pinene	0.3896
Limonene	0.3713
beta-caryophyllene	0.257
beta-Pinene	0.2193

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #43005

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.0301	0.301	0.000002	0.001
alpha-Bisabolol	0.0355	0.355	0.000003	0.001
alpha-Humulene	0.0946	0.946	0.000002	0.001
alpha-Pinene	0.3896	3.896	0.000001	0.001
alpha-Terpinene	0.0297	0.297	0.000001	0.001
alpha-Terpinolene	0.8196	8.196	0.000004	0.001
beta-caryophyllene	0.257	2.57	0.000004	0.001
beta-Pinene	0.2193	2.193	0.000002	0.001
Camphene	0.0087	0.087	0.000001	0.001
Caryophyllene Oxide	0.0059	0.059	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	0.0135	0.135	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	< LOQ	< LOQ	0.000003	0.001
Limonene	0.3713	3.713	0.000002	0.001
Linalool	0.0242	0.242	0.000003	0.001
Nerolidol	0.0062	0.062	0.000007	0.001
Myrcene	0.1162	1.162	0.000003	0.001
Ocimene	0.1925	1.925	0.000002	0.001
Total Terpenes	2.6139	26.139		



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Sample Lot: CLTV0365-01-5
Sample Matrix: Flower
Date Received: 10/8/2024
Date Reported: 10/14/2024
Date Tested: 10/9/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #43006

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



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License Number: CLTV0365

Sample ID: VT13973
Sample Name: HL: SFVPK, HBOK, HBTk, TK, IP
Sample Lot: CLTV0365-01
Sample Matrix: Flower
Date Received: 10/8/2024
Date Reported: 10/14/2024
Date Tested: 10/10/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #43008

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00137	0.00416
Abamectin B1b	Pass	ND	0.10000	0.00016	0.00048
Acephate	Pass	ND	0.10000	0.00233	0.00707
Acequinocyl	Pass	ND	0.10000	0.02958	0.08963
Azoxystrobin	Pass	ND	0.10000	0.00152	0.00459
Bifenazate	Pass	ND	0.10000	0.00101	0.00306
Bifenthrin	Pass	ND	3.00000	0.00385	0.01167
Carbaryl	Pass	ND	0.50000	0.00156	0.00473
Chlorpyrifos	Pass	ND	0.04000	0.00228	0.00689
Cypermethrin	Pass	ND	1.00000	0.00898	0.02720
Etoazole	Pass	ND	0.10000	0.00176	0.00535
Imazalil	Pass	ND	0.04000	0.00147	0.00446
Imidacloprid	Pass	ND	5.00000	0.00029	0.01774
Myclobutanil	Pass	ND	0.10000	0.00166	0.00504
Spinosyn A	Pass	ND	0.10000	0.00104	0.00315
Spinosyn D	Pass	ND	0.10000	0.00061	0.00185
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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