



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

Certificate of Analysis

Client Name: Batchworth LLC
License Number: CLTV-0372

Sample ID: VT20983
Sample Name: Nuclear Cookies
Sample Lot: HL-2
Sample Matrix: Flower
Date Received: 5/16/2025
Date Reported: 5/22/2025
Date Tested: 5/19/2025



Total Cannabinoids		
	%	mg/g
Total THC:	25.215	252.146
Total CBD:	--	--
Total Cannabinoids:	30.824	308.244

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: #68390

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.2904	2.904	0.2501	2.501	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	0.7832	7.832	0.6745	6.745	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	< LOQ	< LOQ	< LOQ	< LOQ	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	28.751	287.51	24.7603	247.603	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	0.9998	9.998	0.861	8.61	0.0002	0.0040

Moisture & Water Activity

PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #68450

Analyte	Result (%)	Limit	Pass/Fail
Moisture	13.88	13.00	PASS
Water Activity	0.63	0.65	

Callie Chapman

Callie Chapman
Lab Director
5/22/2025

Rev. 1 Initial Release

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Date Received: 5/16/2025

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Total Terpenes (%) : 1.8864

Dominant Terpenes (%)

Limonene	0.4549
beta-caryophyllene	0.4407
Myrcene	0.3776
Ocimene	0.1647
alpha-Humulene	0.1599

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #68391

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.0612	0.612	0.000003	0.001
alpha-Humulene	0.1599	1.599	0.000002	0.001
alpha-Pinene	0.039	0.39	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0075	0.075	0.000004	0.001
beta-caryophyllene	0.4407	4.407	0.000004	0.001
beta-Pinene	0.0613	0.613	0.000002	0.001
Camphene	0.0092	0.092	0.000001	0.001
Caryophyllene Oxide	0.0131	0.131	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	0.4549	4.549	0.000002	0.001
Linalool	0.0667	0.667	0.000003	0.001
Nerolidol	0.0306	0.306	0.000007	0.001
Myrcene	0.3776	3.776	0.000003	0.001
Ocimene	0.1647	1.647	0.000002	0.001
Total Terpenes	1.8864	18.864		

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Lab Director
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Client Name: Batchworth LLC
License Number: CLTV-0372

Sample ID: VT20999
Sample Name: Nuclear Cookies
Sample Lot: HL-2
Sample Matrix: Flower
Date Received: 5/16/2025
Date Reported: 5/22/2025
Date Tested: 5/19/2025



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #68486

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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Client Name: Batchworth LLC
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Sample ID: VT20990
Sample Name: NC,D,D,U.,T.C.,G.G.,D.D.33,
Sample Lot: HL-2
Sample Matrix: Flower
Date Received: 5/16/2025
Date Reported: 5/22/2025
Date Tested: 5/19/2025



Pesticides

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #68411

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00687	0.02081
Abamectin B1b	Pass	ND	0.10000	0.00133	0.00405
Acephate	Pass	ND	0.10000	0.02214	0.06710
Acequinocyl	Pass	ND	0.10000	0.02276	0.06897
Azoxystrobin	Pass	ND	0.10000	0.01262	0.03825
Bifenazate	Pass	ND	0.10000	0.01232	0.03734
Bifenthrin	Pass	ND	3.00000	0.04612	0.13976
Carbaryl	Pass	ND	0.50000	0.01039	0.03149
Chlorpyrifos	Pass	ND	0.04000	0.00702	0.02128
Cypermethrin	Pass	ND	1.00000	0.02839	0.08604
Etoazole	Pass	ND	0.10000	0.00915	0.02772
Imazalil	Pass	ND	0.04000	0.00664	0.02012
Imidacloprid	Pass	ND	5.00000	0.02001	0.06063
Myclobutanil	Pass	ND	0.10000	0.01691	0.05123
Spinosyn A	Pass	ND	0.10000	0.00632	0.01916
Spinosyn D	Pass	ND	0.10000	0.00256	0.00775
Pyrethrins	Pass	ND	0.50000	0.00022	0.00072
				0.00498 *	0.00015 *

* Pyrethrins action limit represents sum of isomers I & II

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