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

Certificate of Analysis

Client Name: Grateful Grow
License Number: CLTV0370

Sample ID: VT16810
Sample Name: Medellin
Sample Lot: 1
Sample Matrix: Flower
Date Received: 12/17/2024
Date Reported: 12/26/2024
Date Tested: 12/19/2024

Total Cannabinoids

	%	mg/g
Total THC:	**26.812**	**268.121**
Total CBD:	**--**	**--**
Total Cannabinoids:	**31.529**	**315.288**

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: #54516

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	< LOQ	< LOQ	< LOQ	< LOQ	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	< LOQ	< LOQ	< LOQ	< LOQ	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	ND	ND	ND	ND	0.0009	0.0040
CBGA	0.9563	9.563	0.8516	8.516	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	< LOQ	< LOQ	< LOQ	< LOQ	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	30.5725	305.725	27.2279	272.279	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: #54517

Analyte	Result (%)	Limit	Pass/Fail
Moisture	10.94	13.00	
Water Activity	0.48	0.65	PASS

Callie Chapman
Lab Director
12/26/2024

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Total Terpenes (%) : 1.6812

Dominant Terpenes (%)	
Limonene	**0.5163**
beta-caryophyllene	**0.5162**
alpha-Humulene	**0.1532**
Myrcene	**0.1256**
Linalool	**0.0924**

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #54518

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.0602	0.602	0.000003	0.001
alpha-Humulene	0.1532	1.532	0.000002	0.001
alpha-Pinene	0.0367	0.367	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0064	0.064	0.000004	0.001
beta-caryophyllene	0.5162	5.162	0.000004	0.001
beta-Pinene	0.0673	0.673	0.000002	0.001
Camphene	0.0097	0.097	0.000001	0.001
Caryophyllene Oxide	0.0123	0.123	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	0.0171	0.171	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	0.5163	5.163	0.000002	0.001
Linalool	0.0924	0.924	0.000003	0.001
Nerolidol	0.0678	0.678	0.000007	0.001
Myrcene	0.1256	1.256	0.000003	0.001
Ocimene	ND	ND	0.000002	0.001
Total Terpenes	**1.6812**	**16.812**		

Callie Chapman
Lab Director
12/26/2024

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Pathogens — PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #54519

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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