

Green Analytics NY, LLC
401 North Middletown Road, Building 60B
Pearl River, NY 10965
www.greenanalyticsllc.com
License #s: OCM-CPL-00013
ISO 17025 Certificate No.: 4356.09

Sample Result: PASS

Date Reported:	6/21/2025	Sample ID:	20250603-ELMT-019
Client Name:	Element Cultivation	Sample Name:	Block Berry
Sampling Location:	Penn Yan, New York	Sample Matrix:	Flower
Contact Name:	Justus Freville	Sample Sub Type:	Infused Pre-roll
Contact Email:	elementcultivation@gmail.com	Package ID:	
License Number:	OCM-PT3B-25-000068	Batch Lot ID:	BBHH-01
Medical/Adult Use:	Adult Use	Batch Size:	750
Sampling Date:	06/03/2025 10:30:00 AM	Serving Size (g):	1

Potency	T	Pesticides	P	Heavy Metals	P	Mycotoxins	P
Water Activity	P	Microbiological	P	Residual Solvents	P	Terpenes	P
		Moisture	P	Filth & Foreign Material	P		

"-" = Not Tested; "T" = Tested; "P" = Pass; "F" = Fail

Cannabinoids: Block Berry (20250603-ELMT-019)			
Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)			
Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.107
CBDA	< MRL	< MRL	0.107
CBGA	0.667	6.674	0.107
CBG	0.194	1.939	0.107
CBD	< MRL	< MRL	0.107
THCV	< MRL	< MRL	0.107
CBN	< MRL	< MRL	0.107
D9-THC	4.169	41.694	0.107
D8-THC	< MRL	< MRL	0.107
D10-THC-S	< MRL	< MRL	0.107
D10-THC-R	< MRL	< MRL	0.107
CBC	< MRL	< MRL	0.107
THCA	25.207	252.070	0.107

MRL = Minimum reporting limit/limit of quantification
mg/serving = % w/w x10 x serving size weight (g)
Reported on a dry-weight basis based on the calculation:
(wet sample % x 100)/(100 - %MC)

Test ID: #115155 | Date Tested: 06/19/2025 04:06 AM

Potency Summary	% w/w	mg/serving
Total THC [Δ8-THC + Δ9-THC + Δ10-THC + (THCA * 0.877)]	26.276	262.760
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	30.237	302.377



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Terpenes: Block Berry (20250603-ELMT-019)

Terpenes analysis utilizing GC-MS (GC-MS: SOP-063-GA, SOP-069-GA)

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	0.02	0.01
Camphene	< MRL	0.01
Sabinene	< MRL	0.01
beta-Pinene	0.04	0.01
beta-Myrcene	0.08	0.01
Alpha-phellandrene	< MRL	0.01
Carene	< MRL	0.01
alpha-terpinene	< MRL	0.01
p-Cymene	< MRL	0.01
Limonene	0.18	0.01
Eucalyptol	< MRL	0.01
Ocimene	0.01	0.01
gamma-Terpinene	< MRL	0.01
Sabinene Hydrate	< MRL	0.01
Terpinolene	< MRL	0.01
Linalool	0.11	0.01
Fenchol	0.04	0.01
Menthol	< MRL	0.01
Terpineol	0.03	0.01
Citronellol	< MRL	0.01
Isopulegol	< MRL	0.01
Geraniol	< MRL	0.01
Alpha-cedrene	< MRL	0.01
Beta-Caryophyllene	0.69	0.01
Farnesene	0.04	0.01
alpha-Humulene	0.26	0.01
Valencene	< MRL	0.01
cis-Nerolidol	< MRL	0.01
trans-Nerolidol	< MRL	0.01
Caryophyllene oxide	0.05	0.01
Guaiol	0.07	0.01
alpha-Bisabolol	0.09	0.01

MRL = Minimum reporting limit/limit of quantification

Test ID: #115161 | Date Tested: 06/16/2025 08:54 AM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	1.71	10	PASS



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. Serving size (g) has been provided by the client during the sampling process, unless otherwise specified. Action limits are set according to the New York State Office of Cannabis Management Testing Limits.

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Residual Solvents: Block Berry (20250603-ELMT-019)

PASS

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (GC-MS: SOP-067-GA, SOP-010-GA)

Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)
1,2-Dichloroethane	PASS	< MRL	5	4.470
2-Propanol	PASS	< MRL	5000	669.668
Acetone	PASS	< MRL	5000	1377.774
Acetonitrile	PASS	< MRL	410	54.913
Butanes, total	PASS	< MRL	5000	669.668
Benzene	PASS	< MRL	2	0.894
Chloroform	PASS	< MRL	60	8.036
Dichloromethane	PASS	< MRL	600	80.360
Dimethyl Sulfoxide	PASS	< MRL	5000	1205.402
Ethanol	PASS	< MRL	5000	669.668
Ethyl acetate	PASS	< MRL	5000	669.668
Ethyl ether	PASS	< MRL	5000	669.668
n-Heptane	PASS	< MRL	5000	669.668
Hexanes, total	PASS	< MRL	290	38.841
Methanol	PASS	< MRL	3000	401.801
Pentanes, total	PASS	< MRL	5000	669.668
Propane	PASS	< MRL	5000	669.668
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	433.945
Toluene	PASS	< MRL	890	119.201
Trichloroethane	PASS	< MRL	1500	1205.402
Xylenes, total	PASS	< MRL	2170	290.637

MRL = Minimum reporting limit/limit of quantification

Test ID: #115159 | Date Tested: 06/17/2025 05:09 AM



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Pesticides: Block Berry (20250603-ELMT-019) PASS

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MS/MS: SOP-062-GA, SOP-070-GA)

Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)
Abamectin	PASS	< MRL	0.50	0.100
Acephate	PASS	< MRL	0.40	0.100
Acequinocyl	PASS	< MRL	2.00	0.100
Acetamiprid	PASS	< MRL	0.20	0.100
Aldicarb	PASS	< MRL	0.40	0.100
Azadirachtin	PASS	< MRL	1.00	0.250
Azoxystrobin	PASS	< MRL	0.20	0.100
Bifenazate	PASS	< MRL	0.20	0.100
Bifenthrin	PASS	< MRL	0.20	0.100
Boscalid	PASS	< MRL	0.40	0.100
Captan	PASS	< MRL	1.00	0.500
Carbaryl	PASS	< MRL	0.20	0.100
Carbofuran	PASS	< MRL	0.20	0.100
Chlorantranilprole	PASS	< MRL	0.20	0.100
Chlordane	PASS	< MRL	1.00	0.250
Chlorfenapyr	PASS	< MRL	1.00	0.050
Chlormequat chloride	PASS	< MRL	1.00	0.100
Chlorpyrifos	PASS	< MRL	0.20	0.100
Clofentezine	PASS	< MRL	0.20	0.100
Coumaphos	PASS	< MRL	1.00	0.100
Cyfluthrin	PASS	< MRL	1.00	0.100
Cypermethrin	PASS	< MRL	1.00	0.100
Daminozide	PASS	< MRL	1.00	0.100
Diazinon	PASS	< MRL	0.20	0.100
Dichlorvos	PASS	< MRL	1.00	0.100
Dimethoate	PASS	< MRL	0.20	0.100
Dimethomorph	PASS	< MRL	1.00	0.100
Ethoprophos	PASS	< MRL	0.20	0.100
Etofenprox	PASS	< MRL	0.40	0.100
Etoxazole	PASS	< MRL	0.20	0.100
Fenhexamid	PASS	< MRL	1.00	0.100
Fenoxycarb	PASS	< MRL	0.20	0.100
Fenpyroximate	PASS	< MRL	0.40	0.100
Fipronil	PASS	< MRL	0.40	0.100
Flonicamid	PASS	< MRL	1.00	0.100
Fludioxonil	PASS	< MRL	0.40	0.100
Hexythiazox	PASS	< MRL	1.00	0.100
Imazalil	PASS	< MRL	0.20	0.100
Imidacloprid	PASS	< MRL	0.40	0.100
Indole-3-butyric acid	PASS	< MRL	1.00	0.250
Kresoxim-methyl	PASS	< MRL	0.40	0.100
Malathion	PASS	< MRL	0.20	0.100
Metalaxyl	PASS	< MRL	0.20	0.100
Methiocarb	PASS	< MRL	0.20	0.100
Methomyl	PASS	< MRL	0.40	0.100
Methyl Parathion	PASS	< MRL	0.20	0.050
Mevinphos	PASS	< MRL	1.00	0.100
MGK-264 I/II	PASS	< MRL	0.20	0.100
Myclobutanil	PASS	< MRL	0.20	0.100
Naled	PASS	< MRL	0.50	0.100
Oxamyl	PASS	< MRL	1.00	0.100
Paclobutrazol	PASS	< MRL	0.40	0.100
Pentachloronitrobenzene	PASS	< MRL	1.00	0.250
Permethrins, total	PASS	< MRL	0.20	0.100
Phosmet	PASS	< MRL	0.20	0.100
Piperonyl butoxide	PASS	< MRL	2.00	0.100
Prallethrin	PASS	< MRL	0.20	0.100
Propiconazole	PASS	< MRL	0.40	0.100
Propoxur	PASS	< MRL	0.20	0.100
Pyrethrins	PASS	< MRL	1.00	0.100
Pyridaben	PASS	< MRL	0.20	0.100
Spinetoram, Total	PASS	< MRL	1.00	0.100
Spinosad, Total	PASS	< MRL	0.20	0.100
Spiromesifen	PASS	< MRL	0.20	0.100
Spirotetramat	PASS	< MRL	0.20	0.100
Spiroxamine	PASS	< MRL	0.20	0.100
Tebuconazole	PASS	< MRL	0.40	0.100
Thiacloprid	PASS	< MRL	0.20	0.100
Thiamethoxam	PASS	< MRL	0.20	0.100
Trifloxystrobin	PASS	< MRL	0.20	0.100

MRL = Minimum reporting limit/limit of quantification

Test ID: #115160 | Date Tested: 06/14/2025 11:35 AM



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Mycotoxins: Block Berry (20250603-ELMT-019)					PASS
Mycotoxin analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MS/MS: SOP-062-GA, SOP-070-GA)					
Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)	
Ochratoxin	PASS	< MRL	0.02	0.010	
Total Aflatoxins	PASS	< MRL	0.02	0.010	
MRL = Minimum reporting limit/limit of quantification			Test ID: #115156 Date Tested: 06/14/2025 11:36 AM		

Heavy Metals: Block Berry (20250603-ELMT-019)					PASS
Heavy Metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS: SOP-061-NY, SOP-072-GA)					
Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)	
Chromium	PASS	< MRL	110.0	8.00	
Nickel	PASS	< MRL	5.0	1.00	
Copper	PASS	< MRL	30.0	8.00	
Arsenic	PASS	< MRL	0.2	0.10	
Cadmium	PASS	< MRL	0.2	0.10	
Antimony	PASS	< MRL	2.0	1.00	
Mercury	PASS	< MRL	0.1	0.05	
Lead	PASS	< MRL	0.5	0.20	
MRL = Minimum reporting limit/limit of quantification			Test ID: #115157 Date Tested: 06/13/2025 11:29 AM		

Microbiology - Plating: Block Berry (20250603-ELMT-019)					PASS
Microbial analysis utilizing microbial enumeration (SOP-700-NY)					
Analyte	Pass/Fail	Results (CFU/g)	Limit (CFU/g)	MRL (CFU/g)	
Total Aerobic Bacteria	PASS	15818	None	100	
Total Yeast & Mold	PASS	700	None	100	
Microbiology - qPCR:					
Microbial analysis utilizing quantitative Polymerase Chain Reaction (SOP-701-NY)					
Analyte	Pass/Fail	Results (CFU/g)	Limit (CFU/g)	MRL (CFU/g)	
Salmonella spp	PASS	Absent	Absent	1	
Shiga toxin-producing E. coli	PASS	Absent	Absent	1	
Aspergillus (fumigatus, flavus, niger, terreus)	PASS	Absent	Absent	1	
MRL = Minimum reporting limit/limit of quantification			Test ID: #115163 Date Tested: 06/19/2025 07:23 AM		

Moisture Content: Block Berry (20250603-ELMT-019)				PASS
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)				
Analyte	Pass/Fail	Result (%)	Limit (%)	
Moisture	PASS	8.7	15	
MRL = Minimum reporting limit/limit of quantification			Test ID: #115162 Date Tested: 06/13/2025 07:46 AM	



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Water Activity: Block Berry (20250603-ELMT-019)			PASS
Water activity analysis utilizing a chilled mirror dew point sensor (SOP-059-GA)			
Analyte	Pass/Fail	Result (a _w)	Limit (a _w)
Water Activity	PASS	0.50	0.65
MRL = Minimum reporting limit/limit of quantification		Test ID: #115164 Date Tested: 06/13/2025 07:46 AM	

Filth and Foreign Material: Block Berry (20250603-ELMT-019)			PASS
Filth and Foreign Material analysis utilizing microscopy (SOP-057-NY)			
Analyte	Results	Limit	Pass/Fail
Foreign Material (other, % m/m)	ND	2	PASS
Foreign Material (stems, % m/m)	ND	5	PASS
Mammalian Excreta (mg/lb)	ND	1	PASS
ND = Not Detected		Test ID: #115158 Date Tested: 06/13/2025 07:46 AM	



Matthew Elmes
Lab Director
6/21/2025



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