

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:	1/1/2025	Sample ID:	20241219-ECNY-011
Client Name:	Emerald City NY, LLC	Sample Name:	Lotus Refresh Vape
Sampling Location:	Hopewell Junction, New York	Sample Matrix:	Concentrate
Contact Name:	Sean	Sample Sub Type:	Vape
Contact Email:	info@simplyfoyl.com	Package ID:	
License Number:	OCM-PROC-24-000017	Batch Lot ID:	LRF100
Medical/Adult Use:	Adult Use	Batch Size:	250
Sampling Date:	12/19/2024 10:14:00 AM	Serving Size (g):	1

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

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

Cannabinoids: Lotus Refresh Vape (20241219-ECNY-011)			
Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)			
Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.800
CBDA	< MRL	< MRL	0.800
CBGA	< MRL	< MRL	0.800
CBG	6.828	68.277	0.800
CBD	1.302	13.020	0.800
THCV	< MRL	< MRL	0.800
CBN	< MRL	< MRL	0.800
D9-THC	75.320	753.200	0.800
D8-THC	< MRL	< MRL	0.800
D10-THC-S	< MRL	< MRL	0.800
D10-THC-R	< MRL	< MRL	0.800
CBC	4.652	46.520	0.800
THCA	< MRL	< MRL	0.800

MRL = Minimum reporting limit/limit of quantification
mg/serving = % w/w x10 x serving size weight (g)

Test ID: #88505 | Date Tested: 12/22/2024 08:34 AM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta^8\text{-THC} + \Delta^9\text{-THC} + \Delta^{10}\text{-THC} + (\text{THCA} * 0.877)$]	75.320	753.200
Total CBD [$\text{CBD} + (\text{CBDA} * 0.877)$]	1.302	13.020
Total Cannabinoids	88.102	881.017



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Terpenes: Lotus Refresh Vape (20241219-ECNY-011)

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

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	0.62	0.09
Camphene	< MRL	0.09
Sabinene	< MRL	0.09
beta-Pinene	< MRL	0.09
beta-Myrcene	< MRL	0.09
Alpha-phellandrene	< MRL	0.09
Carene	< MRL	0.09
alpha-terpinene	< MRL	0.09
p-Cymene	< MRL	0.09
Limonene	0.30	0.09
Eucalyptol	0.12	0.09
Ocimene	< MRL	0.07
gamma-Terpinene	< MRL	0.09
Sabinene Hydrate	< MRL	0.09
Terpinolene	< MRL	0.09
Linalool	0.25	0.09
Fenchol	< MRL	0.09
Menthol	< MRL	0.09
Terpineol	< MRL	0.09
Citronellol	< MRL	0.09
Isopulegol	< MRL	0.09
Geraniol	< MRL	0.09
Alpha-cedrene	0.43	0.07
Beta-Caryophyllene	1.88	0.09
Farnesene	< MRL	0.09
alpha-Humulene	0.12	0.09
Valencene	< MRL	0.09
cis-Nerolidol	< MRL	0.04
trans-Nerolidol	< MRL	0.05
Caryophyllene oxide	< MRL	0.09
Guaiol	< MRL	0.09
alpha-Bisabolol	< MRL	0.09

MRL = Minimum reporting limit/limit of quantification

Test ID: #88511 | Date Tested: 12/26/2024 10:42 AM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	3.72	10	PASS



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. Action limits are set according to the New York State Office of Cannabis Management Testing Limits.

A sample is deemed acceptable when all analyte values are within those state determined limits.

Laboratory determined measurement uncertainty is available by request.

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Residual Solvents: Lotus Refresh Vape (20241219-ECNY-011)

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	4.285
2-Propanol	PASS	< MRL	5000	641.986
Acetone	PASS	< MRL	5000	128.397
Acetonitrile	PASS	< MRL	410	52.643
Butanes, total	PASS	< MRL	5000	641.986
Benzene	PASS	< MRL	2	0.857
Chloroform	PASS	< MRL	60	7.704
Dichloromethane	PASS	< MRL	600	77.038
Dimethyl Sulfoxide	PASS	< MRL	5000	1155.574
Ethanol	PASS	< MRL	5000	641.986
Ethyl acetate	PASS	< MRL	5000	641.986
Ethyl ether	PASS	< MRL	5000	641.986
n-Heptane	PASS	< MRL	5000	641.986
Hexanes, total	PASS	< MRL	290	37.235
Methanol	PASS	< MRL	3000	385.192
Pentanes, total	PASS	< MRL	5000	641.986
Propane	PASS	< MRL	5000	641.986
Tetrafluoroethane (1,1,1,2-) (HFC-134a)	PASS	< MRL	1000	416.006
Toluene	PASS	< MRL	890	114.273
Trichloroethane	PASS	< MRL	1500	1155.574
Xylenes, total	PASS	< MRL	2170	278.623

MRL = Minimum reporting limit/limit of quantification

Test ID: #88510 | Date Tested: 12/23/2024 02:22 PM



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Pesticides: Lotus Refresh Vape (20241219-ECNY-011)

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	0.005
Acephate	PASS	< MRL	0.40	0.005
Acequinocyl	PASS	< MRL	2.00	0.005
Acetamiprid	PASS	< MRL	0.20	0.005
Aldicarb	PASS	< MRL	0.40	0.005
Azadirachtin	PASS	< MRL	1.00	0.013
Azoxystrobin	PASS	< MRL	0.20	0.005
Bifenazate	PASS	< MRL	0.20	0.005
Bifenthrin	PASS	< MRL	0.20	0.005
Boscalid	PASS	< MRL	0.40	0.005
Captan	PASS	< MRL	1.00	0.025
Carbaryl	PASS	< MRL	0.20	0.005
Carbofuran	PASS	< MRL	0.20	0.005
Chlorantranilprole	PASS	< MRL	0.20	0.005
Chlordane	PASS	< MRL	1.00	0.013
Chlorfenapyr	PASS	< MRL	1.00	0.003
Chlormequat chloride	PASS	< MRL	1.00	0.005
Chlorpyrifos	PASS	< MRL	0.20	0.005
Clofentezine	PASS	< MRL	0.20	0.005
Coumaphos	PASS	< MRL	1.00	0.005
Cyfluthrin	PASS	< MRL	1.00	0.005
Cypermethrin	PASS	< MRL	1.00	0.005
Daminozide	PASS	< MRL	1.00	0.005
Diazinon	PASS	< MRL	0.20	0.005
Dichlorvos	PASS	< MRL	1.00	0.005
Dimethoate	PASS	< MRL	0.20	0.005
Dimethomorph	PASS	< MRL	1.00	0.005
Ethoprophos	PASS	< MRL	0.20	0.005
Etofenprox	PASS	< MRL	0.40	0.005
Etoxazole	PASS	< MRL	0.20	0.005
Fenhexamid	PASS	< MRL	1.00	0.005
Fenoxycarb	PASS	< MRL	0.20	0.005
Fenpyroximate	PASS	< MRL	0.40	0.005
Fipronil	PASS	< MRL	0.40	0.005
Fonicamid	PASS	< MRL	1.00	0.005
Fludioxonil	PASS	< MRL	0.40	0.005
Hexythiazox	PASS	< MRL	1.00	0.005
Imazalil	PASS	< MRL	0.20	0.005
Imidacloprid	PASS	< MRL	0.40	0.005
Indole-3-butyric acid	PASS	< MRL	1.00	0.013
Kresoxim-methyl	PASS	< MRL	0.40	0.005
Malathion	PASS	< MRL	0.20	0.005
Metalaxyl	PASS	< MRL	0.20	0.005
Methiocarb	PASS	< MRL	0.20	0.005
Methomyl	PASS	< MRL	0.40	0.005
Methyl Parathion	PASS	< MRL	0.20	0.003
Mevinphos	PASS	< MRL	1.00	0.005
MGK-264 I/II	PASS	< MRL	0.20	0.005
Myclobutanil	PASS	< MRL	0.20	0.005
Naled	PASS	< MRL	0.50	0.005
Oxamyl	PASS	< MRL	1.00	0.005
Paclobutrazol	PASS	< MRL	0.40	0.005
Pentachloronitrobenzene	PASS	< MRL	1.00	0.013
Permethrins, total	PASS	< MRL	0.20	0.005
Phosmet	PASS	< MRL	0.20	0.005
Piperonyl butoxide	PASS	< MRL	2.00	0.005
Prallethrin	PASS	< MRL	0.20	0.005
Propiconazole	PASS	< MRL	0.40	0.005
Propoxur	PASS	< MRL	0.20	0.005
Pyrethrins	PASS	< MRL	1.00	0.005
Pyridaben	PASS	< MRL	0.20	0.005
Spinetoram, Total	PASS	< MRL	1.00	0.005
Spinosad, Total	PASS	< MRL	0.20	0.005
Spiromesifen	PASS	< MRL	0.20	0.005
Spirotetramat	PASS	< MRL	0.20	0.005
Spiroxamine	PASS	< MRL	0.20	0.005
Tebuconazole	PASS	< MRL	0.40	0.005
Thiacloprid	PASS	< MRL	0.20	0.005
Thiamethoxam	PASS	< MRL	0.20	0.005
Trifloxystrobin	PASS	< MRL	0.20	0.005

MRL = Minimum reporting limit/limit of quantification

Test ID: #88509 | Date Tested: 12/26/2024 10:42 AM



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Mycotoxins: Lotus Refresh Vape (20241219-ECNY-011)				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: #88508 Date Tested: 12/26/2024 10:42 AM	

Heavy Metals: Lotus Refresh Vape (20241219-ECNY-011)				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	2.0	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: #88506 Date Tested: 12/24/2024 08:25 AM	

Microbiological Screen: Lotus Refresh Vape (20241219-ECNY-011)				PASS
Microbial analysis utilizing quantitative Polymerase Chain Reaction and microbial enumeration (qPCR; SOP-700-NY, SOP-701-NY)				
Analyte	Pass/Fail	Results (CFU/g)	Limit (CFU/g)	MRL (CFU/g)
Total Aerobic Bacteria	PASS	< MRL	10000	100
Total Yeast & Mold	PASS	< MRL	1000	100
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: #88507 Date Tested: 12/23/2024 09:25 AM	



Matthew Elmes
Lab Director
1/1/2025



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