



**Route 27 Hopyard**  
 27 Veith Ave, Moriches, NY, 11955  
 Ryan@route27hempyard.com  
 (516)761-2704  
 License #: OCM-AUCC-22-000044

# Certificate of Analysis

Final



Date Released: 7/19/2024 4:27:30PM

Report #: 20103

## Lime Meringue

Sample #: 4981, Weight: 70.00g, Unit Count:

Order #: X240605-0002

Category/Type: Plant, Preroll

Date Collected: 6/5/2024 2:04:09PM

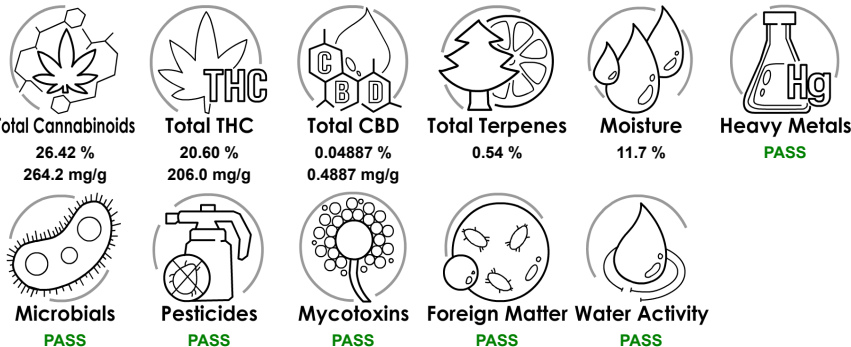
Date Received: 6/5/2024 4:11:32PM

Regulator Sample ID: 0084818843176264

Regulator Source Package ID: 0084818843176264

Regulator Batch ID: 0084818843176264

Size: 3888Units, Unit Count:



### Potency Analysis by HPLC

Total Cannabinoids: **26.42 % - 264.2 mg/g**  
 Total THC: **20.60 % - 206.0 mg/g**  
 Total CBD: **0.04887 % - 0.4887 mg/g**

Date Completed: 06/09/2024 11:10AM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	19.54	195.4	[Bar]
d9-THC	1972-08-3	0.001000	3.465	34.65	[Bar]
CBGa	25555-57-1	0.001000	2.699	26.99	[Bar]
CBG	25654-31-3	0.001000	0.2954	2.954	[Bar]
THCV	31262-37-0	0.001000	0.2795	2.795	[Bar]
CBDa	1244-58-2	0.001000	0.05572	0.5572	[Bar]
CBC	20675-51-8	0.001000	0.05119	0.5119	[Bar]
CBDV	24274-48-4	0.001000	0.02265	0.2265	[Bar]
CBN	521-35-7	0.001000	0.01586	0.1586	[Bar]
d8-THC	5957-75-5	0.001000	ND	ND	[Bar]
d10/R9-THC	95543-62-7	0.001000	ND	ND	[Bar]
d10/S9-THC	95588-87-7	0.001000	ND	ND	[Bar]

Amended to update sampling time. Amended report replaces Report #17606



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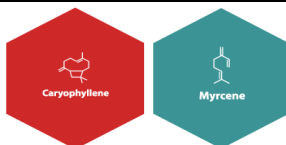
**Sample #: 4981**

**Lime Meringue**

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
CBD	13956-29-1	0.001000	ND	ND	
<b>Test Comment:</b> Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed. d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.					
THCa		0.001000	19.54	195.4	<div style="width: 100%;"></div>
d9-THC		0.001000	3.465	34.65	<div style="width: 30%;"></div>
CBGa		0.001000	2.699	26.99	<div style="width: 25%;"></div>
CBG		0.001000	0.2954	2.954	<div style="width: 2%;"></div>
THCV		0.001000	0.2795	2.795	<div style="width: 1%;"></div>
CBDa		0.001000	0.05572	0.5572	<div style="width: 0.5%;"></div>
CBC		0.001000	0.05119	0.5119	<div style="width: 0.5%;"></div>
CBDV		0.001000	0.02265	0.2265	<div style="width: 0.2%;"></div>
CBN		0.001000	0.01586	0.1586	<div style="width: 0.1%;"></div>
CBD		0.001000	ND	ND	
d8-THC		0.001000	ND	ND	
d10/R9-THC	95543-62-7	0.001000	ND	ND	
d10/S9-THC	95588-87-7	0.001000	ND	ND	

## Terpenes by HS-GC-MS

Date Completed: 06/07/2024 2:31PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Beta-caryophyllene	87-44-5	0.1000	0.3388	<div style="width: 100%;"></div>
Beta-myrcene	123-35-3	0.1000	0.1988	<div style="width: 20%;"></div>
Limonene	5989-27-5	0.1000	ND	
Alpha-pinene	80-56-8	0.1000	ND	

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**Lime Meringue**

Compound	CAS#	LOQ (%)	%	Relative Concentration
Alpha-humulene	6753-98-6	0.1000	ND	
Linalool	78-70-6	0.1000	ND	
Beta-pinene	127-91-3	0.1000	ND	
Terpinolene	586-62-9	0.1000	ND	
Borneol	464-43-7	0.1000	ND	
Ocimene	13877-91-3	0.1000	ND	
Alpha-bisabolol	515-69-5	0.1000	ND	
Caryophyllene-oxide	1139-30-6	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
Guaiol	489-86-1	0.1000	ND	
Alpha-terpinene	99-86-5	0.1000	ND	
Terpineol	8006-39-1	0.1000	ND	
Fenchol	14575-74-7	0.1000	ND	
Valencene	4630-07-3	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	
Farnesene	502-61-4	0.1000	ND	
Camphor	464-49-3	0.1000	ND	
3-Carene	13466-78-9	0.1000	ND	
Alpha-cedrene	469-61-4	0.1000	ND	
Cedrol	77-53-2	0.1000	ND	
Eucalyptol	470-82-6	0.1000	ND	
Fenchone	1195-79-5	0.1000	ND	
Gamma-terpinene	99-85-4	0.1000	ND	
Geranyl Acetate	105-87-3	0.1000	ND	

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**Lime Meringue**

Compound	CAS#	LOQ (%)	%	Relative Concentration
Isopulegol	89-79-2	0.1000	ND	
Menthol	15356-70-4	0.1000	ND	
Nerol	106-25-2	0.1000	ND	
Nerolidol		0.1000	ND	
Pulegone	89-82-7	0.1000	ND	
Sabinene	3387-41-5	0.1000	ND	
Sabinene Hydrate	546-79-2	0.1000	ND	

**Test Comment:** Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

**Foreign Matter by Microscopy**

**Pass**

Analysis Date: 06/06/2024 2:49 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Foreign Matter	0.00100	2.0	ND	Pass
Mammalian Exreta	0.00100	0.03	ND	Pass
Stems	0.00100	5.0	ND	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Moisture LWG**

**Pass**

Analysis Date: 06/06/2024 2:49 pm

Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	5 - 15	11.7	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

**Water Activity**

**Pass**

Analysis Date: 06/06/2024 2:49 pm

Compound	LOQ (Aw)	Limits (Aw)	Result (Aw)	Status
Water Activity	0.05	0.65	0.54	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

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Sample #: 4981

Lime Meringue

## Pesticides by LCMSMS

Pass

Analysis Date: 06/10/2024 10:26 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.500	ND	Pass
Acephate	0.0100	0.400	ND	Pass
Acequinocyl	0.0100	2.00	ND	Pass
Acetamiprid	0.0100	0.200	ND	Pass
Aldicarb	0.0100	0.400	ND	Pass
Azadirachtin	0.0100	1.00	ND	Pass
Azoxystrobin	0.0100	0.200	ND	Pass
Bifenazate	0.0100	0.200	ND	Pass
Bifenthrin	0.0100	0.200	ND	Pass
Boscalid	0.0100	0.400	ND	Pass
Captan	0.0100	1.00	ND	Pass
Carbaryl	0.0100	0.200	ND	Pass
Carbofuran	0.0100	0.200	ND	Pass
Chlorantraniliprole	0.0100	0.200	ND	Pass
Chlordane-alpha	0.0100	1.00	ND	Pass
Chlorfenapyr	0.0100	1.00	ND	Pass
Chloromequat Chloride	0.0100	1.00	ND	Pass
Chlorpyrifos	0.0100	0.200	ND	Pass
Clofentezine	0.0100	0.200	ND	Pass
Coumaphos	0.0100	1.00	ND	Pass
Cyfluthrin	0.0100	1.00	ND	Pass
Cypermethrin	0.0100	1.00	ND	Pass
Daminozide	0.0100	1.00	ND	Pass
Diazinon	0.0100	0.200	ND	Pass
Dichlorvos	0.0100	1.00	ND	Pass

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Lime Meringue

Pesticides by LCMSMS		Pass		Analysis Date: 06/10/2024 10:26 am	
Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status	
Dimethoate	0.0100	0.200	ND	Pass	
Dimethomorph	0.0100	1.00	ND	Pass	
Ethoprophos	0.0100	0.200	ND	Pass	
Etofenprox	0.0100	0.400	ND	Pass	
Etoxazole	0.0100	0.200	ND	Pass	
Fenhexamid	0.0100	1.00	ND	Pass	
Fenoxycarb	0.0100	0.200	ND	Pass	
Fenpyroximate	0.0100	0.400	ND	Pass	
Fipronil	0.0100	0.400	ND	Pass	
Fonicamid	0.0100	1.00	ND	Pass	
Fludioxonil	0.0100	0.400	ND	Pass	
Hexythiazox	0.0100	1.00	ND	Pass	
Imazalil	0.0100	0.200	ND	Pass	
Imidacloprid	0.0100	0.400	ND	Pass	
Indolebutyric Acid	0.0100	1.00	ND	Pass	
Kresoxim-methyl	0.0100	0.400	ND	Pass	
Malathion	0.0100	0.200	ND	Pass	
Metalaxyl	0.0100	0.200	ND	Pass	
Methiocarb	0.0100	0.200	ND	Pass	
Methomyl	0.0100	0.400	ND	Pass	
Methyl Parathion	0.0100	0.200	ND	Pass	
Mevinphos	0.0100	1.00	ND	Pass	
MGK-264	0.0100	0.200	ND	Pass	
Myclobutanil	0.0100	0.200	ND	Pass	
Naled	0.0100	0.500	ND	Pass	

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## Pesticides by LCMSMS

Pass

Analysis Date: 06/10/2024 10:26 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Oxamyl	0.0100	1.00	ND	Pass
Paclobutrazol	0.0100	0.400	ND	Pass
Pentachloronitrobenzene	0.0100	1.00	ND	Pass
Permethrins, Total	0.0100	0.200	ND	Pass
Phosmet	0.0100	0.200	ND	Pass
Piperonyl Butoxide	0.0100	2.00	ND	Pass
Prallethrin	0.0100	0.200	ND	Pass
Propiconazole	0.0100	0.400	ND	Pass
Propoxur	0.0100	0.200	ND	Pass
Pyrethrins Total	0.0100	1.00	ND	Pass
Pyridaben	0.0100	0.200	ND	Pass
Spinetoram Total	0.0100	1.00	ND	Pass
Spinosad Total	0.0100	0.200	ND	Pass
Spiromesifen	0.0100	0.200	ND	Pass
Spirotetramat	0.0100	0.200	ND	Pass
Spiroxamine	0.0100	0.200	ND	Pass
Tebuconazole	0.0100	0.400	ND	Pass
Thiacloprid	0.0100	0.200	ND	Pass
Thiamethoxam	0.0100	0.200	ND	Pass
Trifloxystrobin	0.0100	0.200	ND	Pass

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

## Mycotoxins by LCMSMS

Pass

Analysis Date: 06/10/2024 10:26 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B1	0.0050	0.020	ND	Pass

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**Lime Meringue**

**Mycotoxins by LCMSMS**

**Pass**

Analysis Date: 06/10/2024 10:26 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B2	0.0050	0.020	ND	Pass
Aflatoxin G1	0.0050	0.020	ND	Pass
Aflatoxin G2	0.0050	0.020	ND	Pass
Ochratoxin A	0.0050	0.020	ND	Pass
Total Aflatoxin	0.0050	0.020	ND	Pass

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

**Heavy Metals by ICPMS**

**Pass**

Analysis Date: 06/09/2024 12:08 pm

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2.00	ND	Pass
Arsenic	0.00100	0.200	0.0700	Pass
Cadmium	0.00150	0.300	0.0249	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30.0	10.6	Pass
Lead	0.00250	0.500	0.235	Pass
Mercury	0.000500	0.100	0.00156	Pass
Nickel	0.0100	5.00	0.362	Pass

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

**Micro by Petri & qPCR**

**Pass**

Analysis Date: 06/10/2024 9:03 am

Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Aspergillus flavus Qualitative	1	0	Not Detected	Pass
Aspergillus fumigatus Qualitative	1	0	Not Detected	Pass
Aspergillus niger Qualitative	1	0	Not Detected	Pass
Aspergillus terreus Qualitative	1	0	Not Detected	Pass

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**Lime Meringue**

## Micro by Petri & qPCR

**Pass**

Analysis Date: 06/10/2024 9:03 am

Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Salmonella Qualitative	1	0	Not Detected	Pass
Shiga Toxin-Producing E. coli Qualitative	1	0	Not Detected	Pass
Total Aerobic Bacteria	10		110000	Pass
Total Yeast & Mold	10		2000	Pass

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed. **Due to COA validation limitations:** "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence".

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