

Twin Arch Farm LLC

Address: 200 Twin Arch Road, Rock Tavern, NY 12575

Contact Name: Heather Walsh Contact Phone: 8452384461 License #: OCM-AUCC-22-000040

Sample ID: 5789



CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

BRRBERRY KUSH FLOWER

Lot #: APR24BRGH4 Sample ID: 5789

Regulatory Category: Adult Use

Received: 08/09/2024

Sampling Location: 200 Twin Arch Road

Rock Tavern, NY 1575

Lot Size: 750

Sample Type: Flower

Amount Received: 8

Sample Collected: 08/09/2024 11:16 AM

Published: 08/19/2024



COMPLIANCE FOR RETAIL

Cannabinoid Profile

Pass

Terpenes Total

Tested

Residual Solvents

Not Tested

Pesticides

Pass

Mycotoxins

Pass

Water Activity

Pass

Trace Metals

Pass

Microbial Contaminants

Pass

Moisture Analysis

Filth & Foreign

Pass

Pass

18.2 % Total Cannabinoids

Pass Sample Status

> 17.3% **Total THC**

0.151% **Total CBD**

Report Notes: Amended: Corrected reporting of pesticides results.

Alicia Caruso-Thomas

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Laboratory Director







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Average Cannabinoid Profile

Pass

Sample Analysis

Date: 08/19/2024 03:30 PM

SOP: NY.SOP.T.40.260

Analyzed By: HPLC

Sample Weight: N/A

Analyst: Destiny Ribadeneyra

Analyte	LOQ (%)	Average % (w/w)	mg/serving	Homogeneity [†]
Total Tetrahydrocannabinol (THC)	-	17.3	606	
Tetrahydrocannabinolic acid (THCA)	0.500	19.3	677	
Δ8-ΤΗC	0.500	0.0132	0.463	
Δ9-THC	0.500	0.230	8.06	
Δ10-THC-RS	0.500	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Δ10-THC-RR	0.500	0.0924	3.23	
Total Cannabidiol (CBD)	-	0.151	5.29	
Cannabinadiolic acid (CBDA)	0.500	0.0961	3.36	
Cannabidiol (CBD)	0.500	0.0669	2.34	
Total Active Tetrahydrocannabivarin (THCV)	-	0.0967	3.38	
Tetrahydrocannabivarinic acid (THCVA)*	0.500	0.112	3.90	
Tetrahydrocannabivarin (THCV)	0.500	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Total Active Cannabigerol (CBG)	-//	0.670	23.5	
Cannabigerolic acid (CBGA)	0.500	0.709	24.8	
Cannabigerol (CBG)	0.500	0.0491	1.72	
Cannabidivarin (CBDV)	0.500	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabinol (CBN)	0.500	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabichromene (CBC)	0.500	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	

Cannabinoid Totals	Actual % (w/w)	mg/serving	Homogeneity [†]
Total Cannabinoids	18.2	638	

^{*} Analyte is not included in ISO 17025 scope of accreditation

† Concentration of individual samples must be $\pm 25\%$ of the mean concentration Total Active CBD = CBD + (0.877 x CBDA); Total Active CBG = CBG + (0.878 x CBGA); Total Active THC = ($\Delta 97$ HC + $\Delta 87$ HC + $\Delta 107$ HC-RS + $\Delta 107$ HC-RR) + (0.877 x THCA); Total Active THCV = THCV + (0.867 x THCVA);

Serving Weight: 3.5 g

Alicia Caruso-Thomas

Laboratory Director

08/19/2024 Alícía Caruso-Thomas







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CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Terpene Total

Tested (0.9300%)

Sample Analysis

Date: 08/15/2024 04:36 PM

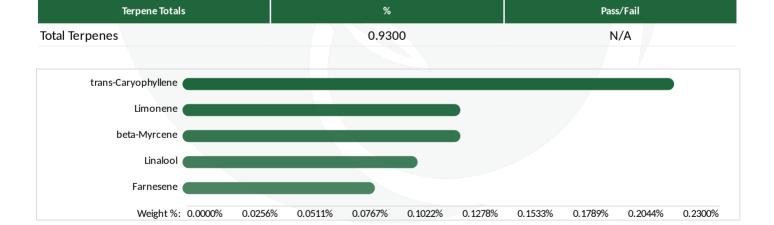
SOP: NY.SOP.T.40.090

Sample Weight: 0.2445 g

Analyzed By: GC-MS

Analyst: Stephanie Knapp

			<u>_</u>	<u> </u>	
Analyte	LOQ (%)	Results (%)	Analyte	LOQ (%)	Results (9
3-Carene	0.0004200	<loq< td=""><td>gamma-Terpinene</td><td>0.0004400</td><td><loq< td=""></loq<></td></loq<>	gamma-Terpinene	0.0004400	<loq< td=""></loq<>
alpha-Bisabolol	0.0005000	<loq< td=""><td>gamma-Terpineol</td><td>0.0003000</td><td><loq< td=""></loq<></td></loq<>	gamma-Terpineol	0.0003000	<loq< td=""></loq<>
alpha-Humulene	0.0005600	0.06000	Geraniol	0.0004800	<loq< td=""></loq<>
alpha-Phellandrene	0.0006600	<loq< td=""><td>Geranyl acetate</td><td>0.0006200</td><td><loq< td=""></loq<></td></loq<>	Geranyl acetate	0.0006200	<loq< td=""></loq<>
alpha-Pinene	0.0004800	0.02000	Guaiol	0.0006000	<loq< td=""></loq<>
alpha-Terpinene	0.0002600	<loq< td=""><td>Isoborneol</td><td>0.0003400</td><td>0.01000</td></loq<>	Isoborneol	0.0003400	0.01000
alpha-Terpineol	0.0003400	0.01000	Isopulegol	0.0006600	<loq< td=""></loq<>
oeta-Myrcene	0.0006400	0.1300	Limonene	0.0007400	0.1300
eta-Pinene	0.0006600	0.02000	Linalool	0.0004600	0.1100
Borneol	0.0004600	<loq< td=""><td>Menthol</td><td>0.0004600</td><td><loq< td=""></loq<></td></loq<>	Menthol	0.0004600	<loq< td=""></loq<>
Camphene	0.0004400	<loq< td=""><td>Nerol</td><td>0.0005000</td><td><loq< td=""></loq<></td></loq<>	Nerol	0.0005000	<loq< td=""></loq<>
Camphor	0.0004000	<loq< td=""><td>Pulegone (+)</td><td>0.0005600</td><td><loq< td=""></loq<></td></loq<>	Pulegone (+)	0.0005600	<loq< td=""></loq<>
Caryophyllene oxide	0.0005800	<loq< td=""><td>Sabinene</td><td>0.0003400</td><td>0.02000</td></loq<>	Sabinene	0.0003400	0.02000
Cedrene	0.0004400	<loq< td=""><td>Sabinene Hydrate</td><td>0.0004200</td><td><loq< td=""></loq<></td></loq<>	Sabinene Hydrate	0.0004200	<loq< td=""></loq<>
Cedrol	0.0005600	<loq< td=""><td>Terpinolene</td><td>0.0005000</td><td><loq< td=""></loq<></td></loq<>	Terpinolene	0.0005000	<loq< td=""></loq<>
cis-Nerolidol	0.0006800	0.01000	trans-b-Ocimene	0.0004200	<loq< td=""></loq<>
is-Ocimene	0.0005200	<loq< td=""><td>trans-Caryophyllene</td><td>0.0006600</td><td>0.2300</td></loq<>	trans-Caryophyllene	0.0006600	0.2300
ucalyptol	0.0007200	<loq< td=""><td>trans-Nerolidol</td><td>0.0007200</td><td>0.0600</td></loq<>	trans-Nerolidol	0.0007200	0.0600
arnesene	0.0008400	0.09000	Valencene	0.0005600	0.0200
Fenchone	0.0005000	<loq< td=""><td></td><td></td><td></td></loq<>			



Alicia Caruso-Thomas

Laboratory Director

<u>08/19/2024</u> Alicia Caruso-Thomas







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CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Trace Metals

Pass

Sample Analysis

Date: 08/15/2024 04:49 PM

SOP: NY.SOP.T.40.050

Analyzed By: ICP-MS

Sample Weight: 0.1339 g

Analyst: Moni Kaneti

Analyte	LOQ (µg/g)	Action Limit (μg/g)	Results (μg/g)	Pass/Fail
Antimony (Sb)*	0.130	2.00	<loq< td=""><td>PASS</td></loq<>	PASS
Arsenic (As)*	0.0700	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Cadmium (Cd)*	0.0600	0.300	<loq< td=""><td>PASS</td></loq<>	PASS
Chromium (Cr)*	0.360	110	<loq< td=""><td>PASS</td></loq<>	PASS
Copper (Cu)*	0.390	30.0	5.10	PASS
Lead (Pb)*	0.0800	0.500	<loq< td=""><td>PASS</td></loq<>	PASS
Mercury (Hg)*	0.0100	0.100	<loq< td=""><td>PASS</td></loq<>	PASS
Nickel (Ni)*	0.110	5.00	<loq< td=""><td>PASS</td></loq<>	PASS

^{*} Analyte is not included in ISO 17025 scope of accreditation

Mycotoxin Analysis

Pass

Sample Analysis

Date: 08/15/2024 04:46 PM

SOP: NY.SOP.T.40.180

Analyzed By: LC-MS/MS

Sample Weight: 0.1 g

Analyst: Destiny Ribadeneyra

Analyte	LOQ (μg/g)	Action Limit (μg/g)	Results (μg/g)	Pass/Fail
Sum of Aflatoxins	-	0.020	0	PASS
Aflatoxin B1	0.0010	0.020	<loq< td=""><td>PASS</td></loq<>	PASS
Aflatoxin B2	0.0020	0.020	<loq< td=""><td>PASS</td></loq<>	PASS
Aflatoxin G1	0.0010	0.020	<loq< td=""><td>PASS</td></loq<>	PASS
Aflatoxin G2	0.0020	0.020	<loq< td=""><td>PASS</td></loq<>	PASS
Ochratoxin A	0.0020	0.020	<loq< td=""><td>PASS</td></loq<>	PASS

Alicia Caruso-Thomas

Laboratory Director

<u>08/19/2024</u> Alicia Caruso-Thomas Phyto-Farma Labs 49 John Hicks Drive Warwick, NY 10990 (845) 988-0937





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CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Pesticides LC

Pass

Sample Analysis

 Date: 08/14/2024 10:02 AM
 SOP: NY.SOP.T.040.270

 Analyzed By: LC-MS/MS
 Sample Weight: 1 g

Analyst: Destiny Ribadeneyra

Abameetin* 0.0180 0.500 4 LOQ PASS Imidacloprid* 0.00800 0.400 4 LOQ PASS Acephate* 0.00700 0.400 4 LOQ PASS Indoie-3-butyric acid* 0.00700 1.00 4 LOQ PASS Acequinocyl* 0.0160 2.00 4 LOQ PASS Kresoxim methyl* 0.0120 0.400 4 LOQ PASS Addicarb* 0.00500 0.400 4 LOQ PASS Metalasyl* 0.0110 0.200 4 LOQ PASS Azadirachtin* 0.0200 1.00 4 LOQ PASS Methlocarb* 0.0120 4 LOQ PASS Azoxystrobin* 0.00600 0.200 4 LOQ PASS Methlocarb* 0.0120 4 LOQ PASS Biffentatin* 0.00600 0.200 4 LOQ PASS Methlocarb* 0.0110 0.400 4 LOQ PASS Biffenthin* 0.00600 0.200 4 LOQ PASS Myclobutanil* 0.0130 0.200 4 LOQ <t< th=""><th>Analyte</th><th>LOQ (ppm)</th><th>Action Limit (ppm)</th><th>Results (ppm)</th><th>Pass/Fail</th><th>Analyte</th><th>LOQ (ppm)</th><th>Action Limit (ppm)</th><th>Results (ppm)</th><th>Pass/Fail</th></t<>	Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail	Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail
Acequinocyl* 0.0160 2.00 <lqq< th=""> PASS Kresoxim methyl* 0.0120 0.400 <lqq< th=""> PASS Acetamiprid* 0.00500 0.200 <lqq< td=""> PASS Malathion* 0.0110 0.200 <lqq< td=""> PASS Aldicarb* 0.00500 0.400 <lqq< td=""> PASS Metalaxyl* 0.0120 0.200 <lqq< td=""> PASS Azadirachthr* 0.0220 1.00 <lqq< td=""> PASS Methornyl* 0.0120 0.400 <lqq< td=""> PASS Axoxystrobin* 0.00600 0.200 <lqq< td=""> PASS Methornyl* 0.0120 0.400 <lqq< td=""> PASS Bifenazate* 0.00600 0.200 <lqq< td=""> PASS Mevinphos** 0.0190 1.00 <lqq< td=""> PASS Boscalld* 0.00110 0.0000 0.200 <lqq< td=""> PASS Mevinphos** 0.0190 0.200 <lqq< td=""> PASS Carbaryl* 0.00600 0.200 <lqq< td=""> PASS Naled** 0.0050 0.500</lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<></lqq<>	Abamectin*	0.0180	0.500	<loq< td=""><td>PASS</td><td>Imidacloprid*</td><td>0.00800</td><td>0.400</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Imidacloprid*	0.00800	0.400	<loq< td=""><td>PASS</td></loq<>	PASS
Acetamiprid* 0.00500 0.200 <loq< th=""> PASS Malathion* 0.0110 0.200 <loq< th=""> PASS Aldicarb* 0.00500 0.400 <loq< td=""> PASS Metalaxyl* 0.0120 0.200 <loq< td=""> PASS Azadirachtin* 0.0220 1.00 <loq< td=""> PASS Methiocarb* 0.00400 0.200 <loq< td=""> PASS Azoxystrobin* 0.00600 0.200 <loq< td=""> PASS Methomyl* 0.0120 0.400 <loq< td=""> PASS Bifenazate* 0.00600 0.200 <loq< td=""> PASS Methomyl* 0.0110 0.200 <loq< td=""> PASS Bifenthrin* 0.00600 0.200 <loq< td=""> PASS Myclobutanil* 0.0110 0.200 <loq< td=""> PASS Carbaryl* 0.00600 0.200 <loq< td=""> PASS Naled* 0.00500 0.500 <loq< td=""> PASS Carborluran* 0.00500 0.200 <loq< td=""> PASS Paclobutrazol* 0.0150 <loq< td=""> PASS</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Acephate*	0.00700	0.400	<loq< td=""><td>PASS</td><td>Indole-3-butyric acid*</td><td>0.00700</td><td>1.00</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Indole-3-butyric acid*	0.00700	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Aldicarb* 0.00500 0.400 < LOQ PASS Metalaxyl* 0.0120 0.200 < LOQ PASS Azadirachtin* 0.0220 1.00 < LOQ	Acequinocyl*	0.0160	2.00	<loq< td=""><td>PASS</td><td>Kresoxim methyl*</td><td>0.0120</td><td>0.400</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Kresoxim methyl*	0.0120	0.400	<loq< td=""><td>PASS</td></loq<>	PASS
Azadirachtin* 0.0220 1.00 <1QQ PASS Methiocarb* 0.00400 0.200 <1QQ PASS Azoxystrobin* 0.00600 0.200 <1QQ	Acetamiprid*	0.00500	0.200	<loq< td=""><td>PASS</td><td>Malathion*</td><td>0.0110</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Malathion*	0.0110	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Azoxystrobin* 0.00600 0.200 <iqq< th=""> PASS Methomyl* 0.0120 0.400 <iqq< th=""> PASS Bifenazate* 0.00600 0.200 <iqq< td=""> PASS Mevinphos* 0.0190 1.00 <iqq< td=""> PASS Bifenthrin* 0.00300 0.200 <iqq< td=""> PASS MgK-264* 0.0110 0.200 <iqq< td=""> PASS Boscalid* 0.0110 0.400 <iqq< td=""> PASS Myclobutanil* 0.0130 0.200 <iqq< td=""> PASS Carborlura* 0.00600 0.200 <iqq< td=""> PASS Naled* 0.00500 0.500 <iqq< td=""> PASS Chlorantraniliprole* 0.00600 0.200 <iqq< td=""> PASS Paclobutrazol* 0.0150 0.400 <iqq< td=""> PASS Chlorantraniliprole* 0.00600 0.200 <iqq< td=""> PASS Permethrins, Total* 0.0090 0.200 <iqq< td=""> PASS Chlorantraniliprole* 0.0100 0.200 <iqq< td=""> PASS Permethrins, Total* 0.0090</iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<></iqq<>	Aldicarb*	0.00500	0.400	<loq< td=""><td>PASS</td><td>Metalaxyl*</td><td>0.0120</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Metalaxyl*	0.0120	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Bifenazate* 0.00600 0.200 <1.DQ PASS Mevinphos* 0.0190 1.00 <1.OQ PASS Bifenthrin* 0.00300 0.200 <1.DQ	Azadirachtin*	0.0220	1.00	<loq< td=""><td>PASS</td><td>Methiocarb*</td><td>0.00400</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Methiocarb*	0.00400	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Bifenthrin* 0.00300 0.200 <loq< th=""> PASS MGK-264* 0.0110 0.200 <loq< th=""> PASS Boscalid* 0.0110 0.400 <loq< td=""> PASS Myclobutanil* 0.0130 0.200 <loq< td=""> PASS Carbaryl* 0.00600 0.200 <loq< td=""> PASS Naled* 0.00500 0.500 <loq< td=""> PASS Chlorantraniliprole* 0.00600 0.200 <loq< td=""> PASS Daclobutrazol* 0.0150 0.400 <loq< td=""> PASS Chlorantraniliprole* 0.00600 0.200 <loq< td=""> PASS Paclobutrazol* 0.0150 0.400 <loq< td=""> PASS Chlormequat chloride* 0.0190 1.00 <loq< td=""> PASS Permethrins, Total* 0.00900 0.200 <loq< td=""> PASS Chlorpyrifos* 0.00900 0.200 <loq< td=""> PASS Phosmet* 0.00700 0.200 <loq< td=""> PASS Clofentezine* 0.0100 0.200 <loq< td=""> PASS Piperonyl Butoxide* 0.00600</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Azoxystrobin*	0.00600	0.200	<loq< td=""><td>PASS</td><td>Methomyl*</td><td>0.0120</td><td>0.400</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Methomyl*	0.0120	0.400	<loq< td=""><td>PASS</td></loq<>	PASS
Boscalid* 0.0110 0.400 <loq< th=""> PASS Myclobutanil* 0.0130 0.200 <loq< th=""> PASS Carbaryl* 0.00600 0.200 <loq< td=""> PASS Naled* 0.00500 0.500 <loq< td=""> PASS Carbofuran* 0.00500 0.200 <loq< td=""> PASS Oxamyl* 0.00800 1.00 <loq< td=""> PASS Chlorantraniliprole* 0.00600 0.200 <loq< td=""> PASS Paclobutrazol* 0.0150 0.400 <loq< td=""> PASS Chlormequat chloride* 0.0190 1.00 <loq< td=""> PASS Permethrins, Total* 0.00900 0.200 <loq< td=""> PASS Chlorpyrifos* 0.00900 0.200 <loq< td=""> PASS Phosmet* 0.00700 0.200 <loq< td=""> PASS Clofentezine* 0.0100 0.200 <loq< td=""> PASS Piperonyl Butoxide* 0.00700 0.200 <loq< td=""> PASS Diariono* 0.00100 1.00 <loq< td=""> PASS Prallethrin* 0.00800 0.</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Bifenazate*	0.00600	0.200	<loq< td=""><td>PASS</td><td>Mevinphos*</td><td>0.0190</td><td>1.00</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Mevinphos*	0.0190	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Carbaryl* 0.00600 0.200 <loq< th=""> PASS Naled* 0.00500 0.500 <loq< th=""> PASS Carbofuran* 0.00500 0.200 <loq< td=""> PASS Oxamyl* 0.00800 1.00 <loq< td=""> PASS Chlorantraniliprole* 0.00600 0.200 <loq< td=""> PASS Paclobutrazol* 0.0150 0.400 <loq< td=""> PASS Chlormyrifos* 0.0190 1.00 <loq< td=""> PASS Phosmet* 0.00700 0.200 <loq< td=""> PASS Clofentezine* 0.0100 0.200 <loq< td=""> PASS Piperonyl Butoxide* 0.00600 2.00 <loq< td=""> PASS Daminozide* 0.00400 1.00 <loq< td=""> PASS Priperonyl Butoxide* 0.00600 0.200 <loq< td=""> PASS Diazinon* 0.00400 1.00 <loq< td=""> PASS Prallethrin* 0.00800 0.200 <loq< td=""> PASS Direthoxos* 0.0120 1.00 <loq< td=""> PASS Propoxur* 0.00800 0.200</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Bifenthrin*	0.00300	0.200	<loq< td=""><td>PASS</td><td>MGK-264*</td><td>0.0110</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	MGK-264*	0.0110	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Carbofuran* 0.00500 0.200 <loq< th=""> PASS Oxamyl* 0.00800 1.00 <loq< th=""> PASS Chlorantraniliprole* 0.00600 0.200 <loq< td=""> PASS Paclobutrazol* 0.0150 0.400 <loq< td=""> PASS Chlormequat chloride* 0.0190 1.00 <loq< td=""> PASS Permethrins, Total* 0.00900 0.200 <loq< td=""> PASS Chlorpyrifos* 0.00900 0.200 <loq< td=""> PASS Phosmet* 0.00700 0.200 <loq< td=""> PASS Clofentezine* 0.0100 0.200 <loq< td=""> PASS Piperonyl Butoxide* 0.00600 2.00 <loq< td=""> PASS Daminozide* 0.00400 1.00 <loq< td=""> PASS Prallethrin* 0.00800 0.200 <loq< td=""> PASS Diazinon* 0.00700 0.200 <loq< td=""> PASS Propiconazole* 0.00600 0.400 <loq< td=""> PASS Dimethoate* 0.00120 1.00 <loq< td=""> PASS Pyrethrins* 0.0140</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Boscalid*	0.0110	0.400	<loq< td=""><td>PASS</td><td>Myclobutanil*</td><td>0.0130</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Myclobutanil*	0.0130	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Chlorantraniliprole* 0.00600 0.200 <loq< th=""> PASS Paclobutrazol* 0.0150 0.400 <loq< th=""> PASS Chlormequat chloride* 0.0190 1.00 <loq< td=""> PASS Permethrins, Total* 0.00900 0.200 <loq< td=""> PASS Chlorpyrifos* 0.00900 0.200 <loq< td=""> PASS Phosmet* 0.00700 0.200 <loq< td=""> PASS Clofentezine* 0.0100 0.200 <loq< td=""> PASS Piperonyl Butoxide* 0.00600 2.00 <loq< td=""> PASS Daminozide* 0.00400 1.00 <loq< td=""> PASS Prallethrin* 0.00800 0.200 <loq< td=""> PASS Diazinon* 0.00700 0.200 <loq< td=""> PASS Propiconazole* 0.00600 0.400 <loq< td=""> PASS Direthoros* 0.0120 1.00 <loq< td=""> PASS Pyrethrins* 0.0140 1.00 <loq< td=""> PASS Dimethomorph* 0.00500 1.00 <loq< td=""> PASS Spiroteram, Total* 0.00600</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Carbaryl*	0.00600	0.200	<loq< td=""><td>PASS</td><td>Naled*</td><td>0.00500</td><td>0.500</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Naled*	0.00500	0.500	<loq< td=""><td>PASS</td></loq<>	PASS
Chlormequat chloride* 0.0190 1.00 <loq< th=""> PASS Permethrins, Total* 0.00900 0.200 <loq< th=""> PASS Chlorpyrifos* 0.00900 0.200 <loq< td=""> PASS Phosmet* 0.00700 0.200 <loq< td=""> PASS Clofentezine* 0.0100 0.200 <loq< td=""> PASS Piperonyl Butoxide* 0.00600 2.00 <loq< td=""> PASS Daminozide* 0.00400 1.00 <loq< td=""> PASS Prallethrin* 0.00800 0.200 <loq< td=""> PASS Dizinon* 0.00700 0.200 <loq< td=""> PASS Propiconazole* 0.00600 0.400 <loq< td=""> PASS Direlhoros* 0.0120 1.00 <loq< td=""> PASS Propoxur* 0.00800 0.200 <loq< td=""> PASS Dimethoate* 0.00600 0.200 <loq< td=""> PASS Pyrethrins* 0.0140 1.00 <loq< td=""> PASS Ethoprophos* 0.0130 0.200 <loq< td=""> PASS Spinoterram, Total* 0.00600</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Carbofuran*	0.00500	0.200	<loq< td=""><td>PASS</td><td>Oxamyl*</td><td>0.00800</td><td>1.00</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Oxamyl*	0.00800	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
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Clofentezine* 0.0100 0.200 <loq< th=""> PASS Piperonyl Butoxide* 0.00600 2.00 <loq< th=""> PASS Daminozide* 0.00400 1.00 <loq< td=""> PASS Prallethrin* 0.00800 0.200 <loq< td=""> PASS Diazinon* 0.00700 0.200 <loq< td=""> PASS Propiconazole* 0.00600 0.400 <loq< td=""> PASS Dichlorvos* 0.0120 1.00 <loq< td=""> PASS Propoxur* 0.00800 0.200 <loq< td=""> PASS Dimethoate* 0.00600 0.200 <loq< td=""> PASS Pyrethrins* 0.0140 1.00 <loq< td=""> PASS Dimethomorph* 0.00500 1.00 <loq< td=""> PASS Pyridaben* 0.00600 0.200 <loq< td=""> PASS Ethoprophos* 0.0130 0.200 <loq< td=""> PASS Spinosad, Total* 0.00600 0.200 <loq< td=""> PASS Etoxazole* 0.00500 0.200 <loq< td=""> PASS Spiromesifen* 0.0130 0.200</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Chlormequat chloride*	0.0190	1.00	<loq< td=""><td>PASS</td><td>Permethrins, Total*</td><td>0.00900</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Permethrins, Total*	0.00900	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Daminozide* 0.00400 1.00 <loq< th=""> PASS Prallethrin* 0.00800 0.200 <loq< th=""> PASS Diazinon* 0.00700 0.200 <loq< td=""> PASS Propiconazole* 0.00600 0.400 <loq< td=""> PASS Dichlorvos* 0.0120 1.00 <loq< td=""> PASS Propoxur* 0.00800 0.200 <loq< td=""> PASS Dimethoate* 0.00600 0.200 <loq< td=""> PASS Pyrethrins* 0.0140 1.00 <loq< td=""> PASS Dimethomorph* 0.00500 1.00 <loq< td=""> PASS Pyridaben* 0.00600 0.200 <loq< td=""> PASS Ethoprophos* 0.0130 0.200 <loq< td=""> PASS Spinetoram, Total* 0.00500 1.00 <loq< td=""> PASS Etoxazole* 0.00300 0.400 <loq< td=""> PASS Spinosad, Total* 0.00600 0.200 <loq< td=""> PASS Fenhexamid* 0.0150 1.00 <loq< td=""> PASS Spirotetramat* 0.00600 0.200</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Chlorpyrifos*	0.00900	0.200	<loq< td=""><td>PASS</td><td>Phosmet*</td><td>0.00700</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Phosmet*	0.00700	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Diazinon* 0.00700 0.200 <loq< th=""> PASS Propiconazole* 0.00600 0.400 <loq< th=""> PASS Dichlorvos* 0.0120 1.00 <loq< td=""> PASS Propoxur* 0.00800 0.200 <loq< td=""> PASS Dimethoate* 0.00600 0.200 <loq< td=""> PASS Pyrethrins* 0.0140 1.00 <loq< td=""> PASS Dimethomorph* 0.00500 1.00 <loq< td=""> PASS Pyridaben* 0.00600 0.200 <loq< td=""> PASS Ethoprophos* 0.0130 0.200 <loq< td=""> PASS Spinetoram, Total* 0.00500 1.00 <loq< td=""> PASS Etofenprox* 0.00300 0.400 <loq< td=""> PASS Spinosad, Total* 0.00600 0.200 <loq< td=""> PASS Etoxazole* 0.00500 0.200 <loq< td=""> PASS Spiromesifen* 0.0130 0.200 <loq< td=""> PASS Fenoxycarb* 0.0110 0.200 <loq< td=""> PASS Spirotetramat* 0.00400 0.200</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Clofentezine*	0.0100	0.200	<loq< td=""><td>PASS</td><td>Piperonyl Butoxide*</td><td>0.00600</td><td>2.00</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Piperonyl Butoxide*	0.00600	2.00	<loq< td=""><td>PASS</td></loq<>	PASS
Dichlorvos* 0.0120 1.00 <loq< th=""> PASS Propoxur* 0.00800 0.200 <loq< th=""> PASS Dimethoate* 0.00600 0.200 <loq< td=""> PASS Pyrethrins* 0.0140 1.00 <loq< td=""> PASS Dimethomorph* 0.00500 1.00 <loq< td=""> PASS Pyridaben* 0.00600 0.200 <loq< td=""> PASS Ethoprophos* 0.0130 0.200 <loq< td=""> PASS Spinetoram, Total* 0.00500 1.00 <loq< td=""> PASS Etofenprox* 0.00300 0.400 <loq< td=""> PASS Spinosad, Total* 0.00600 0.200 <loq< td=""> PASS Etoxazole* 0.00500 0.200 <loq< td=""> PASS Spiromesifen* 0.0130 0.200 <loq< td=""> PASS Fenhexamid* 0.0150 1.00 <loq< td=""> PASS Spirotetramat* 0.00400 0.200 <loq< td=""> PASS Fenpyroximate* 0.00200 0.400 <loq< td=""> PASS Tebuconazole* 0.0120 0.400</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Daminozide*	0.00400	1.00	<loq< td=""><td>PASS</td><td>Prallethrin*</td><td>0.00800</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Prallethrin*	0.00800	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
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Ethoprophos* 0.0130 0.200 <loq< th=""> PASS Spinetoram, Total* 0.00500 1.00 <loq< th=""> PASS Etofenprox* 0.00300 0.400 <loq< td=""> PASS Spinosad, Total* 0.00600 0.200 <loq< td=""> PASS Etoxazole* 0.00500 0.200 <loq< td=""> PASS Spiromesifen* 0.0130 0.200 <loq< td=""> PASS Fenhexamid* 0.0150 1.00 <loq< td=""> PASS Spirotetramat* 0.00600 0.200 <loq< td=""> PASS Fenoxycarb* 0.0110 0.200 <loq< td=""> PASS Spiroxamine* 0.00400 0.200 <loq< td=""> PASS Fenpyroximate* 0.00200 0.400 <loq< td=""> PASS Tebuconazole* 0.0120 0.400 <loq< td=""> PASS</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Dimethoate*	0.00600	0.200	<loq< td=""><td>PASS</td><td>Pyrethrins*</td><td>0.0140</td><td>1.00</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Pyrethrins*	0.0140	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Etofenprox* 0.00300 0.400 <loq< th=""> PASS Spinosad, Total* 0.00600 0.200 <loq< th=""> PASS Etoxazole* 0.00500 0.200 <loq< td=""> PASS Spiromesifen* 0.0130 0.200 <loq< td=""> PASS Fenhexamid* 0.0150 1.00 <loq< td=""> PASS Spirotetramat* 0.00600 0.200 <loq< td=""> PASS Fenoxycarb* 0.0110 0.200 <loq< td=""> PASS Spiroxamine* 0.00400 0.200 <loq< td=""> PASS Fenpyroximate* 0.00200 0.400 <loq< td=""> PASS Tebuconazole* 0.0120 0.400 <loq< td=""> PASS</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Dimethomorph*	0.00500	1.00	<loq< td=""><td>PASS</td><td>Pyridaben*</td><td>0.00600</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Pyridaben*	0.00600	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Etoxazole* 0.00500 0.200 <loq< th=""> PASS Spiromesifen* 0.0130 0.200 <loq< th=""> PASS Fenhexamid* 0.0150 1.00 <loq< td=""> PASS Spirotetramat* 0.00600 0.200 <loq< td=""> PASS Fenoxycarb* 0.0110 0.200 <loq< td=""> PASS Spiroxamine* 0.00400 0.200 <loq< td=""> PASS Fenpyroximate* 0.00200 0.400 <loq< td=""> PASS Tebuconazole* 0.0120 0.400 <loq< td=""> PASS</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Ethoprophos*	0.0130	0.200	<loq< td=""><td>PASS</td><td>Spinetoram, Total*</td><td>0.00500</td><td>1.00</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Spinetoram, Total*	0.00500	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Fenhexamid* 0.0150 1.00 <loq< th=""> PASS Spirotetramat* 0.00600 0.200 <loq< th=""> PASS Fenoxycarb* 0.0110 0.200 <loq< td=""> PASS Spiroxamine* 0.00400 0.200 <loq< td=""> PASS Fenpyroximate* 0.00200 0.400 <loq< td=""> PASS Tebuconazole* 0.0120 0.400 <loq< td=""> PASS</loq<></loq<></loq<></loq<></loq<></loq<>	Etofenprox*	0.00300	0.400	<loq< td=""><td>PASS</td><td>Spinosad, Total*</td><td>0.00600</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Spinosad, Total*	0.00600	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Fenoxycarb* 0.0110 0.200 <loq< th=""> PASS Spiroxamine* 0.00400 0.200 <loq< th=""> PASS Fenpyroximate* 0.00200 0.400 <loq< td=""> PASS Tebuconazole* 0.0120 0.400 <loq< td=""> PASS</loq<></loq<></loq<></loq<>	Etoxazole*	0.00500	0.200	<loq< td=""><td>PASS</td><td>Spiromesifen*</td><td>0.0130</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Spiromesifen*	0.0130	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Fenpyroximate* 0.00200 0.400 <loq 0.0120="" 0.400="" <loq="" pass="" pass<="" td="" tebuconazole*=""><td>Fenhexamid*</td><td>0.0150</td><td>1.00</td><td><loq< td=""><td>PASS</td><td>Spirotetramat*</td><td>0.00600</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<></td></loq>	Fenhexamid*	0.0150	1.00	<loq< td=""><td>PASS</td><td>Spirotetramat*</td><td>0.00600</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Spirotetramat*	0.00600	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
	Fenoxycarb*	0.0110	0.200	<loq< td=""><td>PASS</td><td>Spiroxamine*</td><td>0.00400</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Spiroxamine*	0.00400	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Flonicamid* 0.00700 1.00 <loq 0.00800="" 0.200="" <loq="" pass="" pass<="" td="" thiacloprid*=""><td>Fenpyroximate*</td><td>0.00200</td><td>0.400</td><td><loq< td=""><td>PASS</td><td>Tebuconazole*</td><td>0.0120</td><td>0.400</td><td><loq< td=""><td>PASS</td></loq<></td></loq<></td></loq>	Fenpyroximate*	0.00200	0.400	<loq< td=""><td>PASS</td><td>Tebuconazole*</td><td>0.0120</td><td>0.400</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Tebuconazole*	0.0120	0.400	<loq< td=""><td>PASS</td></loq<>	PASS
	Flonicamid*	0.00700	1.00	<loq< td=""><td>PASS</td><td>Thiacloprid*</td><td>0.00800</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Thiacloprid*	0.00800	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Fludioxonil* 0.0170 0.400 <loq 0.00800="" 0.200="" <loq="" pass="" pass<="" td="" thiamethoxam*=""><td>Fludioxonil*</td><td>0.0170</td><td>0.400</td><td><loq< td=""><td>PASS</td><td>Thiamethoxam*</td><td>0.00800</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<></td></loq>	Fludioxonil*	0.0170	0.400	<loq< td=""><td>PASS</td><td>Thiamethoxam*</td><td>0.00800</td><td>0.200</td><td><loq< td=""><td>PASS</td></loq<></td></loq<>	PASS	Thiamethoxam*	0.00800	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Hexythiazox* 0.00500 1.00 <loq pass<="" td=""><td>Hexythiazox*</td><td>0.00500</td><td>1.00</td><td><loq< td=""><td>PASS</td><td></td><td></td><td></td><td></td><td></td></loq<></td></loq>	Hexythiazox*	0.00500	1.00	<loq< td=""><td>PASS</td><td></td><td></td><td></td><td></td><td></td></loq<>	PASS					

 $^{^{\}ast}$ Analyte is not included in ISO 17025 scope of accreditation

Alicia Caruso-Thomas

Laboratory Director

08/19/2024 Alicia Caruso-Thomas







Twin Arch Farm LLC

Address: 200 Twin Arch Road, Rock Tavern, NY 12575

Contact Name: Heather Walsh Contact Phone: 8452384461 License #: OCM-AUCC-22-000040

Sample ID: 5789



CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Pesticides GC

Pass

Sample Analysis

Date: 08/15/2024 04:55 PM

SOP: NYS.SOP.T.040.271

Analyzed By: GC-MS/MS

Sample Weight: N/A

Analyst: Destiny Ribadeneyra

Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail
Captan*	0.300	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Chlordane*	0.0700	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Chlorfenapyr*	0.100	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Coumaphos*	0.190	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Cyfluthrin*	0.110	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Cypermethrin*	0.240	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Fipronil*	0.170	0.400	<loq< td=""><td>PASS</td></loq<>	PASS
lmazalil*	0.170	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Methyl parathion*	0.0900	0.200	<loq< td=""><td>PASS</td></loq<>	PASS
Pentachloronitrobenzene*	0.170	1.00	<loq< td=""><td>PASS</td></loq<>	PASS
Trifloxystrobin*	0.110	0.200	<loq< td=""><td>PASS</td></loq<>	PASS

^{*} Analyte is not included in ISO 17025 scope of accreditation

Alicia Caruso-Thomas

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08/19/2024 Alicia Caruso-Thomas







Twin Arch Farm LLC

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Contact Name: Heather Walsh Contact Phone: 8452384461 License #: OCM-AUCC-22-000040

Sample ID: 5789



CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Microbial Impurities - MDG

Pass

Sample Analysis

Date: 08/15/2024 10:55 AM

SOP: NYS.SOP.T.40.273

Analyzed By: PCR **Analyst:** Kristy Lee

Analyte	Microbial Type	LOQ (CFU/g)	Allowable Limit	Results	Pass/Fail
Shiga toxin-producing Escherichia coli	Bacterial	1	Not Detected	Not Detected	PASS
Salmonella species	Bacterial	1	Not Detected	Not Detected	PASS
Aspergillus flavus	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus niger	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus terreus	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus fumigatus	Fungal	1	Not Detected	Not Detected	PASS



Laboratory Director

08/19/2024 Alicia Caruso-Thomas







Twin Arch Farm LLC

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Contact Name: Heather Walsh Contact Phone: 8452384461 License #: OCM-AUCC-22-000040

Sample ID: 5789



CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Microbial Impurities - TAPC

Pass

Sample Analysis

Date: 08/14/2024 01:37 PM

SOP: NYS.SOP.T.040.200

Analyzed By: Plating

Analyst: Kristy Lee

Analyte	LOQ (CFU/g)	Action Limit (CFU/g)	Results (CFU/g)	Pass/Fail
Total Aerobic Bacteria/CDP-TC	5	N/A	<loq< td=""><td>PASS</td></loq<>	PASS

Microbial Impurities - TYMC

Pass

Sample Analysis

Date: 08/12/2024 01:49 PM

SOP: NYS.SOP.T.040.200

Analyzed By: Plating

Analyst: Destiny Ribadeneyra

Analyte	LOQ (CFU/g)	Action Limit (CFU/g)	Results (CFU/g)	Pass/Fail
Total Yeast and Mold	5	N/A	90000	PASS
Mold Count	5	N/A	90000	PASS
Yeast Count	5	N/A	<loq< td=""><td>PASS</td></loq<>	PASS

Alicia Caruso-Thomas

Laboratory Director

Alicia Caruso-Thomas







Twin Arch Farm LLC

Address: 200 Twin Arch Road, Rock Tavern, NY 12575

Contact Name: Heather Walsh Contact Phone: 8452384461 License #: OCM-AUCC-22-000040

Sample ID: 5789



CERTIFICATE OF ANALYSIS

SOP: NYS.SOP.T.040.250

Permit #: OCM-CPL-00004

Foreign Matter

Pass

Sample Analysis

Date: 08/13/2024 05:16 PM

Analyzed By: Microscopy

Analyst: Destiny Ribadeneyra

Analyte	гоб	Action Limit	Results	Pass/Fail
Mammalian excreta (mg/lb)	0	1.0	0	PASS
Stems >3mm in diameter (%)	0	5.0	0	PASS
Other Foreign Material (%)	0	2.0	0	PASS

Moisture Content

Pass

Sample Analysis

Date: 08/15/2024 04:40 PM

Analyzed By: Moisture Balance

SOP: NY.SOP.T.040.220

Analyst: Destiny Ribadeneyra

Analyte	LOQ (%)	Action Limit (%)	Results (%)	Pass/Fail
Moisture Content	0.0	5.0 - 15.0	10.2	PASS

Water Activity

Pass

Sample Analysis

Date: 08/15/2024 05:38 PM **SOP:** NY.SOP.T.040.210

Analyzed By: Water Activity Meter

Analyst: Destiny Ribadeneyra

Analyte	LOQ (Aw)	Action Limit (Aw)	Results (Aw)	Pass/Fail
Water Activity	0.25	0.65	0.52	PASS

Alicia Caruso-Thomas

36/11/2024 Alicia Caruso-Thomas

Laboratory Director



