

Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 07/15/2023

SAMPLE NAME: A00000191

Infused, Liquid Edible

CULTIVATOR / MANUFACTURER

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number:

Sample ID: 230710R015

DISTRIBUTOR / TESTED FOR

Business Name: New York Hemp Oil

License Number:

Address:

Date Collected: 07/10/2023

Date Received: 07/10/2023

Batch Size:

Sample Size: 1.0 units

Unit Mass: 30 milliliters per Unit Serving Size: 1 milliliters per Serving







Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 21.090 mg/unit

Total CBD: 645.270 mg/unit

Total Cannabinoids: 724.740 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step: Total THC = Δ^9 -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))

Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + Sum of Cannabinoids: 724.740 mg/unit THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN Total Cannabinoids = $(\Delta^9$ -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) +

(CBDV+0.877*CBDVa) + Δ^8 -THC + CBL + CBN

Density: 0.948 g/mL

SAFETY ANALYSIS - SUMMARY

 Δ^9 -THC per Unit: \bigcirc PASS

Mycotoxins: PASS

Microbiology (PCR): PASS

 Δ^9 -THC per Serving: \bigcirc PASS

Residual Solvents: PASS

Microbiology (Plating): ND

Pesticides: PASS

Heavy Metals: PASS

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LOC verified by: Kelsey Cochran Job Title: Laboratory Technician I Date: 07/15/2023

Approved by: Josh Wurzer Title: Chief Compliance Officer

Date: 07/15/2023



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Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 21.090 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 645.270 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 724.740 mg/unit

$$\label{eq:total_constraint} \begin{split} & Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + (Total \ CBC) + (Total \ CBC) + (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{split}$$

TOTAL CBG: 30.480 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 19.170 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 7.320 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 07/15/2023

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.8023	21.509	2.2689
CBG	0.002 / 0.006	±0.0493	1.016	0.1072
∆ ⁹ -THC	0.002/0.014	±0.0386	0.703	0.0742
СВС	0.003 / 0.010	±0.0206	0.639	0.0674
CBDV	0.002/0.012	±0.0100	0.244	0.0257
CBN	0.001 / 0.007	±0.0008	0.028	0.0030
CBL	0.003/0.010	±0.0007	0.019	0.0020
Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002/0.012	N/A	ND	ND
THCVa	0.002/0.019	N/A	ND	ND
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001/0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNA	BINOIDS		24.158 mg/mL	2.5483%

Unit Mass: 30 milliliters per Unit / Serving Size: 1 milliliters per Serving

Δ^9 -THC per Unit	110 per-package li <mark>mit</mark>	21.090 mg/unit	PASS
Δ^9 -THC per Serving		0.703 mg/serving	PASS
Total THC per Unit		21.090 mg/unit	
Total THC per Serving		0.703 mg/serving	
CBD per Unit		645.270 mg/unit	
CBD per Serving		21.509 mg/serving	
Total CBD per Unit		645.270 mg/unit	
Total CBD per Serving		21.509 mg/serving	
Sum of Cannabinoids per Unit		724.740 mg/unit	
Sum of Cannabinoids per Serving		24.158 mg/serving	
Total Cannabinoids per Unit	724.740 mg/unit		
Total Cannabinoids per Serving		24.158 mg/serving	

DENSITY TEST RESULT

0.948 g/mL

Tested 07/15/2023

Method: QSP 7870 - Sample

Preparation



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Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

*GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

PESTICIDE TEST RESULTS - 07/14/2023 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Abamectin	0.032 / 0.097	0.3	N/A	ND	PASS
Acephate	0.006 / 0.018	5	N/A	ND	PASS
Acequinocyl	0.009 / 0.027	4	N/A	ND	PASS
Acetamiprid	0.016 / 0.049	5	N/A	ND	PASS
Aldicarb	0.030 / 0.090	≥LOD	N/A	ND	PASS
Allethrin	0.030 / 0.092		N/A	ND	
Atrazine	0.006 / 0.019		N/A	ND	
Azadirachtin	0.082 / 0.248		N/A	ND	
Azoxystrobin	0.003 / 0.009	40	N/A	ND	PASS
Benzovindiflupyr	0.003 / 0.009		N/A	ND	
Bifenazate	0.003 / 0.009	5	N/A	ND	PASS
Bifenthrin	0.021 / 0.064	0.5	N/A	ND	PASS
Boscalid	0.003 / 0.009	10	N/A	ND	PASS
Buprofezin	0.006 / 0.019		N/A	ND	
Captan	0.045 / 0.135	5	N/A	ND	PASS
Carbaryl	0.007 / 0.020	0.5	N/A	ND	PASS
Carbofuran	0.003 / 0.008	≥LOD	N/A	ND	PASS
Chlorantraniliprole	0.006 / 0.018	40	N/A	ND	PASS
Chlordane*	0.010 / 0.032	≥LOD	N/A	ND	PASS
Chlorfenapyr*	0.005 / 0.015	≥LOD	N/A	ND	PASS
Chlormequat chloride	0.022 / 0.066		N/A	ND	
Chlorpyrifos	0.013 / 0.039	≥LOD	N/A	ND	PASS
Clofentezine	0.003 / 0.009	0.5	N/A	ND	PASS
Clothianidin	0.008 / 0.025		N/A	ND	
Coumaphos	0.00 <mark>3/0.010</mark>	≥LOD	N/A	ND	PASS
Cyantraniliprole	0.003/0.010		N/A	ND	
Cyfluthrin	0.052 / 0.159	1	N/A	ND	PASS
Cypermethrin	0.051 / 0.153	1	N/A	ND	PASS
Cyprodinil	0.003 / 0.008		N/A	ND	
Daminozide	0.026 / 0.077	≥LOD	N/A	ND	PASS
Deltamethrin	0.059 / 0.180		N/A	ND	
Diazinon	0.006 / 0.017	0.2	N/A	ND	PASS
Dichlorvos (DDVP)	0.012 / 0.038	≥LOD	N/A	ND	PASS
Dimethoate	0.003 / 0.009	≥LOD	N/A	ND	PASS
Dimethomorph	0.016 / 0.050	20	N/A	ND	PASS
Dinotefuran	0.010 / 0.030		N/A	ND	
Diuron	0.013 / 0.040		N/A	ND	
Dodemorph	0.012 / 0.035		N/A	ND	
Endosulfan sulfate	0.016 / 0.048		N/A	ND	
Endosulfan-α*	0.004 / 0.014		N/A	ND	
Endosulfan-β*	0.006 / 0.019		N/A	ND	

Continued on next page



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Pesticide Analysis Continued

PESTICIDE TEST RESULTS - 07/14/2023 continued **⊘** PASS

Ethoprophos 0.003 / 0.009 ≥ LOD N/A ND PASS Etorazole 0.007 / 0.020 ≥ LOD N/A ND PASS Etoxazole 0.007 / 0.020 ≥ LOD N/A ND PASS Etoridiazole* 0.002 / 0.008 10 N/A ND PASS Fenehexamid 0.003 / 0.010 ≥ LOD N/A ND PASS Fenoxycarb 0.003 / 0.010 ≥ LOD N/A ND PASS Fenoxycarb 0.003 / 0.010 ≥ LOD N/A ND PASS Fensulfothion 0.003 / 0.010 ≥ LOD N/A ND PASS Fensulfothion 0.003 / 0.010 ≥ LOD N/A ND PASS Fensulfothion 0.003 / 0.010 ≥ LOD N/A ND PASS Fentidiacomil 0.003 / 0.010 ≥ LOD N/A ND PASS Fludioxonil 0.003 / 0.010 ≥ LOD N/A ND PASS Fludioxonil 0.003 / 0.01	COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Etoxazole 0.007 / 0.020 1.5 N/A ND PASS Etridiazole* 0.002 / 0.005 N/A ND PASS Fennexamid 0.003 / 0.008 10 N/A ND PASS Fenoxycarb 0.003 / 0.010 ≥ LOD N/A ND PASS Fenpyroximate 0.007 / 0.020 2 N/A ND PASS Fensulfothion 0.003 / 0.010 N/A ND PASS Fenstifothion 0.003 / 0.010 N/A ND PASS Fenthion 0.003 / 0.010 N/A ND PASS Fipronil 0.003 / 0.010 ≥ LOD N/A ND PASS Fludioxonil 0.003 / 0.012 2 N/A ND PASS Fludioxonil 0.003 / 0.010 2 N/A ND PASS Fludioxonil 0.003 / 0.010 2 N/A ND PASS Imacalii 0.003 / 0.010 2 N/A ND PASS	Ethoprophos	0.003 / 0.009	≥LOD	N/A	ND	PASS
Etridiazole*	Etofenprox	0.014/0.042	≥LOD	N/A	ND	PASS
Fenhexamid 0.003 / 0.008 10 N/A ND PASS Fenoxycarb 0.003 / 0.010 ≥ LOD N/A ND PASS Fenpyroximate 0.007 / 0.020 2 N/A ND PASS Fensulfothion 0.003 / 0.010 N/A ND ND PASS Fensulforthion 0.003 / 0.010 ≥ LOD N/A ND PASS Findioxoril 0.003 / 0.010 ≥ LOD N/A ND PASS Fludioxoril 0.003 / 0.010 30 N/A ND PASS Fludioxoril 0.003 / 0.010 3 N/A ND PASS Fludioxoril 0.003 / 0.009 ≥ LOD N/A ND PASS Fludioxoril 0.003 / 0.010 2 N/A ND PASS Fludioxoril 0.003 / 0.010 2 N/A ND PASS Imazalii 0.003 / 0.010 3 N/A ND PASS Imazalii 0.003 / 0.010 3	Etoxazole	0.007/0.020	1.5	N/A	ND	PASS
Fenoxycarb 0.003/0.010 ≥LOD N/A ND PASS	Etridiazole*	0.002 / 0.005		N/A	ND	
Fenpyroximate	Fenhexamid	0.003/0.008	10	N/A	ND	PASS
Fensulfothion 0.003/0.010 N/A ND Fenthion 0.003/0.010 N/A ND Fenthion 0.003/0.010 N/A ND Fenvalerate 0.033/0.099 N/A ND Filonianid 0.003/0.010 ≥ LOD N/A ND PASS Fludioxonil 0.003/0.010 30 N/A ND PASS Fluopyram 0.003/0.009 N/A ND PASS Imidacloprid 0.003/0.010 2 N/A ND PASS Imidacloprid 0.003/0.010 3 N/A ND PASS Iprodione 0.077/0.233 N/A ND PASS Iprodione 0.077/0.233 N/A ND PASS Kresoxim-methyl 0.006/0.019 1 N/A ND PASS Metalaxyl 0.003/0.000 5 N/A ND PASS Metalaxyl 0.003/0.008 ≥ LOD N/A ND PASS Methorpree	Fenoxycarb	0.003/0.010	≥LOD	N/A	ND	PASS
Fenthion	Fenpyroximate	0.007/0.020	2	N/A	ND	PASS
Fenvalerate	Fensulfothion	0.003/0.010		N/A	ND	
Fipronil 0.003 / 0.010 ≥ LOD N/A ND PASS	Fenthion	0.003/0.010		N/A	ND	
Flonicamid 0.007/0.022 2 N/A ND PASS	Fenvalerate	0.033 / 0.099		N/A	ND	
Fludioxonil 0.003/0.010 30 N/A ND PASS	Fipronil	0.003/0.010	≥LOD	N/A	ND	PASS
Fluopyram	Flonicamid	0.007/0.022	2	N/A	ND	PASS
Hexythiazox 0.003/0.010 2 N/A ND PASS Imazalil 0.003/0.009 ≥ LOD N/A ND PASS Imidacloprid 0.003/0.010 3 N/A ND PASS Iprodione 0.077/0.233 N/A ND ND Kinoprene 0.077/0.233 N/A ND PASS Kresoxim-methyl 0.006/0.019 1 N/A ND PASS λ-Cyhalothrin 0.068/0.206 N/A ND PASS Metalaxyl 0.003/0.009 5 N/A ND PASS Metalaxyl 0.003/0.008 ≥ LOD N/A ND PASS Methoryl 0.008/0.025 0.1 N/A ND PASS Methoryl 0.008/0.025 0.1 N/A ND PASS Methoryl 0.008/0.024 ≥ LOD N/A ND PASS Methoryl 0.008/0.027 ≥ LOD N/A ND PASS Mgc-264 </th <th>Fludioxonil</th> <th>0.003/0.010</th> <th>30</th> <th>N/A</th> <th>ND</th> <th>PASS</th>	Fludioxonil	0.003/0.010	30	N/A	ND	PASS
Imazalil 0.003 / 0.009 ≥ LOD N/A ND PASS Imidacloprid 0.003 / 0.010 3 N/A ND PASS Iprodione 0.077 / 0.233 N/A ND ND Kinoprene 0.077 / 0.233 N/A ND ND Kresoxim-methyl 0.006 / 0.019 1 N/A ND PASS λ-Cyhalothrin 0.068 / 0.206 N/A ND PASS Metalaxyl 0.003 / 0.009 5 N/A ND PASS Methocarb 0.003 / 0.008 ≥ LOD N/A ND PASS Methomyl 0.008 / 0.025 0.1 N/A ND PASS Methoprene 0.172 / 0.521 N/A ND PASS MgK-264 0.015 / 0.047 N/A ND PASS MgK-264 0.015 / 0.047 N/A ND PASS Novaluron 0.002 / 0.064 0.5 N/A ND PASS Novaluron 0.002 / 0.005	Fluopyram	0.003 / 0.009		N/A	ND	
Imidacloprid 0.003 / 0.010 3 N/A ND PASS Iprodione 0.077 / 0.233 N/A ND Kinoprene 0.077 / 0.233 N/A ND Kresoxim-methyl 0.006 / 0.019 1 N/A ND Kresoxim-methyl 0.006 / 0.019 1 N/A ND Malathion 0.003 / 0.009 5 N/A ND Metalaxyl 0.003 / 0.010 15 N/A ND PASS Methiocarb 0.003 / 0.008 ≥ LOD N/A ND PASS Methomyl 0.008 / 0.025 0.1 N/A ND PASS Methoprene 0.172 / 0.521 N/A ND PASS Metvinphos 0.008 / 0.024 ≥ LOD N/A ND PASS MgK-264 0.015 / 0.047 N/A ND PASS Naled 0.021 / 0.064 0.5 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phenothrin 0.016 / 0.047 N/A ND PASS Phenothrin 0.016 / 0.047 N/A ND PASS Piperonyl Butoxide 0.007 / 0.029 8 N/A ND PASS Pipirmicarb 0.003 / 0.009 N/A ND PASS Pipirmicarb 0.003 / 0.009 8 N/A ND PASS Pipirmicarb 0.003 / 0.009 N/A ND N	Hexythiazox	0.003 / 0.010	2	N/A	ND	PASS
Iprodione 0.077/0.233 N/A ND	lmazalil	0.003 / 0.009	≥LOD	N/A	ND	PASS
Kinoprene 0.077/0.233 N/A ND Kresoxim-methyl 0.006/0.019 1 N/A ND λ-Cyhalothrin 0.068/0.206 N/A ND Malathion 0.003/0.009 5 N/A ND PASS Metalaxyl 0.003/0.010 15 N/A ND PASS Methiocarb 0.003/0.008 ≥ LOD N/A ND PASS Methomyl 0.008/0.025 0.1 N/A ND PASS Methoprene 0.172/0.521 N/A ND PASS Mevinphos 0.008/0.024 ≥ LOD N/A ND Myclobutanil 0.003/0.009 9 N/A ND PASS Naled 0.021/0.064 0.5 N/A ND PASS Novaluron 0.002/0.005 N/A ND PASS Paclobutrazol 0.003/0.010 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004/0.012 0.2 N/A N	Imidacloprid	0.003 / 0.010	3	N/A	ND	PASS
Kresoxim-methyl 0.006 / 0.019 1 N/A ND PASS λ-Cyhalothrin 0.068 / 0.206 N/A ND Malathion 0.003 / 0.009 5 N/A ND PASS Metalaxyl 0.003 / 0.010 15 N/A ND PASS Methiocarb 0.003 / 0.008 ≥ LOD N/A ND PASS Methomyl 0.008 / 0.025 0.1 N/A ND PASS Methoprene 0.172 / 0.521 N/A ND PASS Mevinphos 0.008 / 0.024 ≥ LOD N/A ND PASS MGK-264 0.015 / 0.047 N/A ND PASS Naled 0.021 / 0.064 0.5 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND PASS Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.0	Iprodione	0.077 / 0.233		N/A	ND	
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Malathion 0.003 / 0.009 5 N/A ND PASS Metalaxyl 0.003 / 0.010 15 N/A ND PASS Methiocarb 0.003 / 0.008 ≥ LOD N/A ND PASS Methomyl 0.008 / 0.025 0.1 N/A ND PASS Methoprene 0.172 / 0.521 N/A ND ND Mevinphos 0.008 / 0.024 ≥ LOD N/A ND PASS MGK-264 0.015 / 0.047 N/A ND PASS Naled 0.003 / 0.009 9 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND PASS Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phenot	Kresoxim-methyl	0.006/0.019	1	N/A	ND	PASS
Metalaxyl 0.003/0.010 15 N/A ND PASS Methiocarb 0.003/0.008 ≥ LOD N/A ND PASS Methomyl 0.008/0.025 0.1 N/A ND PASS Methoprene 0.172/0.521 N/A ND ND Mevinphos 0.008/0.024 ≥ LOD N/A ND PASS MGK-264 0.015/0.047 N/A ND NA ND PASS Mgclobutanil 0.003/0.009 9 N/A ND PASS Novaluron 0.002/0.005 N/A ND PASS Novaluron 0.002/0.005 N/A ND PASS Paclobutrazol 0.003/0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016/0.050 ≥ LOD N/A ND PASS Permethrin 0.056/0.168 20 N/A ND PASS Phenothrin 0.016/0.029 8 N/A ND PASS <	λ -Cyhalothrin	0.068 / 0.206		N/A	ND	
Methiocarb 0.003 / 0.008 ≥ LOD N/A ND PASS Methomyl 0.008 / 0.025 0.1 N/A ND PASS Methoprene 0.172 / 0.521 N/A ND ND Mevinphos 0.008 / 0.024 ≥ LOD N/A ND PASS MGK-264 0.015 / 0.047 N/A ND ND PASS Myclobutanil 0.003 / 0.009 9 N/A ND PASS Naled 0.021 / 0.064 0.5 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND PASS Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phenothrin 0.016 / 0.047 N/A ND PASS Piperonyl Butoxide 0.010 / 0.029 8 N/A ND PASS	Malathion	0.003 / 0.009	5	N/A	ND	PASS
Methomyl 0.008 / 0.025 0.1 N/A ND PASS Methoprene 0.172 / 0.521 N/A ND ND Mevinphos 0.008 / 0.024 ≥ LOD N/A ND PASS MGK-264 0.015 / 0.047 N/A ND ND PASS Myclobutanil 0.003 / 0.009 9 N/A ND PASS Naled 0.021 / 0.064 0.5 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND PASS Paclobutrazol 0.0017 / 0.051 0.2 N/A ND PASS Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phenothrin 0.016 / 0.047 N/A ND PASS Piperonyl Butoxide 0.010 / 0.029 8 N/A ND PASS	Metalaxyl	0.003/0.010	15	N/A	ND	PASS
Methoprene 0.172/0.521 N/A ND Mevinphos 0.008/0.024 ≥ LOD N/A ND PASS MGK-264 0.015/0.047 N/A ND ND PASS Myclobutanil 0.003/0.009 9 N/A ND PASS Naled 0.021/0.064 0.5 N/A ND PASS Novaluron 0.002/0.005 N/A ND PASS Paclobutrazol 0.017/0.051 0.2 N/A ND PASS Paclobutrazol 0.003/0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016/0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004/0.012 0.2 N/A ND PASS Permethrin 0.056/0.168 20 N/A ND PASS Phenothrin 0.016/0.047 N/A ND PASS Piperonyl Butoxide 0.010/0.029 8 N/A ND PASS P	Methiocarb	0.003/0 <mark>.008</mark>	≥LOD	N/A	ND	PASS
Mevinphos 0.008 / 0.024 ≥ LOD N/A ND PASS MGK-264 0.015 / 0.047 N/A ND ND Myclobutanil 0.003 / 0.009 9 N/A ND PASS Naled 0.021 / 0.064 0.5 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND ND Oxamyl 0.017 / 0.051 0.2 N/A ND PASS Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004 / 0.012 0.2 N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phosmet 0.007 / 0.020 0.2 N/A ND PASS Pirimicarb 0.003 / 0.009 8 N/A ND PASS	Methomyl	0.008/0.025	0.1	N/A	ND	PASS
MGK-264 0.015 / 0.047 N/A ND Myclobutanil 0.003 / 0.009 9 N/A ND PASS Naled 0.021 / 0.064 0.5 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND ND Oxamyl 0.017 / 0.051 0.2 N/A ND PASS Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004 / 0.012 0.2 N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phosmet 0.007 / 0.020 0.2 N/A ND PASS Piperonyl Butoxide 0.010 / 0.029 8 N/A ND PASS Pirimicarb 0.003 / 0.009 N/A ND ND	Methoprene	0.172 / 0.521		N/A	ND	
Myclobutanil 0.003 / 0.009 9 N/A ND PASS Naled 0.021 / 0.064 0.5 N/A ND PASS Novaluron 0.002 / 0.005 N/A ND ND Oxamyl 0.017 / 0.051 0.2 N/A ND PASS Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004 / 0.012 0.2 N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phenothrin 0.016 / 0.047 N/A ND PASS Piperonyl Butoxide 0.010 / 0.029 8 N/A ND PASS Pirimicarb 0.003 / 0.009 N/A ND ND ND	Mevinphos	0.008/0.024	≥LOD	N/A	ND	PASS
Naled 0.021/0.064 0.5 N/A ND PASS Novaluron 0.002/0.005 N/A ND ND Oxamyl 0.017/0.051 0.2 N/A ND PASS Paclobutrazol 0.003/0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016/0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004/0.012 0.2 N/A ND PASS Permethrin 0.056/0.168 20 N/A ND PASS Phenothrin 0.016/0.047 N/A ND PASS Piperonyl Butoxide 0.010/0.029 8 N/A ND PASS Pirimicarb 0.003/0.009 N/A ND ND	MGK-264	0.015 / 0.047		N/A	ND	
Novaluron 0.002 / 0.005 N/A ND Oxamyl 0.017 / 0.051 0.2 N/A ND PASS Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004 / 0.012 0.2 N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phenothrin 0.016 / 0.047 N/A ND PASS Piperonyl Butoxide 0.007 / 0.020 0.2 N/A ND PASS Pirimicarb 0.003 / 0.009 N/A ND ND	Myclobutanil	0.003 / 0.009	9	N/A	ND	PASS
Oxamyl 0.017/0.051 0.2 N/A ND PASS Paclobutrazol 0.003/0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016/0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004/0.012 0.2 N/A ND PASS Permethrin 0.056/0.168 20 N/A ND PASS Phenothrin 0.016/0.047 N/A ND ND Phosmet 0.007/0.020 0.2 N/A ND PASS Piperonyl Butoxide 0.010/0.029 8 N/A ND PASS Pirimicarb 0.003/0.009 N/A ND ND	Naled	0.021 / 0.064	0.5	N/A	ND	PASS
Paclobutrazol 0.003 / 0.010 ≥ LOD N/A ND PASS Parathion-methyl 0.016 / 0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004 / 0.012 0.2 N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phenothrin 0.016 / 0.047 N/A ND ND Phosmet 0.007 / 0.020 0.2 N/A ND PASS Piperonyl Butoxide 0.010 / 0.029 8 N/A ND PASS Pirimicarb 0.003 / 0.009 N/A ND ND	Novaluron	0.002 / 0.005		N/A	ND	
Parathion-methyl 0.016/0.050 ≥ LOD N/A ND PASS Pentachloronitrobenzene* 0.004/0.012 0.2 N/A ND PASS Permethrin 0.056/0.168 20 N/A ND PASS Phenothrin 0.016/0.047 N/A ND ND Phosmet 0.007/0.020 0.2 N/A ND PASS Piperonyl Butoxide 0.010/0.029 8 N/A ND PASS Pirimicarb 0.003/0.009 N/A ND ND	Oxamyl	0.017/0.051	0.2	N/A	ND	PASS
Pentachloronitrobenzene* 0.004 / 0.012 0.2 N/A ND PASS Permethrin 0.056 / 0.168 20 N/A ND PASS Phenothrin 0.016 / 0.047 N/A ND ND Phosmet 0.007 / 0.020 0.2 N/A ND PASS Piperonyl Butoxide 0.010 / 0.029 8 N/A ND PASS Pirimicarb 0.003 / 0.009 N/A ND ND	Paclobutrazol	0.003/0.010	≥LOD	N/A	ND	PASS
Permethrin 0.056/0.168 20 N/A ND PASS Phenothrin 0.016/0.047 N/A ND Phosmet 0.007/0.020 0.2 N/A ND PASS Piperonyl Butoxide 0.010/0.029 8 N/A ND PASS Pirimicarb 0.003/0.009 N/A ND	Parathion-methyl	0.016 / 0.050	≥LOD	N/A	ND	PASS
Phenothrin 0.016/0.047 N/A ND Phosmet 0.007/0.020 0.2 N/A ND PASS Piperonyl Butoxide 0.010/0.029 8 N/A ND PASS Pirimicarb 0.003/0.009 N/A ND	Pentachloronitrobenzene*	0.004/0.012	0.2	N/A	ND	PASS
Phosmet 0.007 / 0.020 0.2 N/A ND PASS Piperonyl Butoxide 0.010 / 0.029 8 N/A ND PASS Pirimicarb 0.003 / 0.009 N/A ND	Permethrin	0.056 / 0.168	20	N/A	ND	PASS
Piperonyl Butoxide 0.010 / 0.029 8 N/A ND PASS Pirimicarb 0.003 / 0.009 N/A ND	Phenothrin	0.016 / 0.047		N/A	ND	
Pirimicarb 0.003 / 0.009 N/A ND	Phosmet	0.007/0.020	0.2	N/A	ND	PASS
	Piperonyl Butoxide	0.010/0.029	8	N/A	ND	PASS
Prallethrin 0.015 / 0.046 0.4 N/A ND PASS	Pirimicarb	0.003/0.009		N/A	ND	
	Prallethrin	0.015 / 0.046	0.4	N/A	ND	PASS

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Pesticide Analysis Continued

PESTICIDE TEST RESULTS - 07/14/2023 continued **⊘** PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Propiconazole	0.027 / 0.080	20	N/A	ND	PASS
Propoxur	0.003 / 0.008	≥ LOD	N/A	ND	PASS
Pyraclostrobin	0.003 / 0.010		N/A	ND	
Pyrethrins	0.016 / 0.049	1	N/A	ND	PASS
Pyridaben	0.005 / 0.017	3	N/A	ND	PASS
Pyriproxyfen	0.003 / 0.009		N/A	ND	
Resmethrin	0.013 / 0.039		N/A	ND	
Spinetoram	0.003 / 0.010	3	N/A	ND	PASS
Spinosad	0.003 / 0.010	3	N/A	ND	PASS
Spirodiclofen	0.031 / 0.093		N/A	ND	
Spiromesifen	0.016 / 0.050	12	N/A	ND	PASS
Spirotetramat	0.003 / 0.010	13	N/A	ND	PASS
Spiroxamine	0.020 / 0.062	≥LOD	N/A	ND	PASS
Tebuconazole	0.003 / 0.010	2	N/A	ND	PASS
Tebufenozide	0.003 / 0.008		N/A	ND	
Teflubenzuron	0.007 / 0.022		N/A	ND	
Tetrachlorvinphos	0.003 / 0.008		N/A	ND	
Tetramethrin	0.021 / 0.063		N/A	ND	
Thiabendazole	0.006 / 0.020		N/A	ND	
Thiacloprid	0.003 / 0.009	≥LOD	N/A	ND	PASS
Thiamethoxam	0.003 / 0.010	4.5	N/A	ND	PASS
Thiophanate-methyl	0.013 / 0.040		N/A	ND	
Trifloxystrobin	0.003 / 0.009	30	N/A	ND	PASS



Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 07/14/2023 **⊘ PASS**

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (μg/kg)	RESULT (μg/kg)	RESULT
Aflatoxin B1	1.6 / 5.0		N/A	ND	
Aflatoxin B2	1.4 / 4.1		N/A	ND	
Aflatoxin G1	1.6 / 4.9		N/A	ND	
Aflatoxin G2	1.6 / 5.0		N/A	ND	
Total Aflatoxin		20		ND	PASS
Ochratoxin A	1.6 / 5.0	20	N/A	ND	PASS



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Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

Total Butanes = n-Butane + 2-Methylpropane (Isobutane) Total Pentanes = n-Pentane + 2-Methylbutane (Isopentane) Total Hexanes = n-Hexane + 2,2-Dimethylbutane (Neohexane) + 2,3-Dimethylbutane / 2-Methylpentane (Isohexane) + 3-Methylpentane

Total Heptanes = 2,2-Dimethylpentane (Neoheptane) + 2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane + 2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) + 3-Methylhexane + 3-Ethylpentane + n-Heptane **Total Xylenes** = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) +

RESIDUAL SOLVENTS TEST RESULTS - 07/14/2023 **⊘ PASS**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Propane	0.234 / 0.781	5000	N/A	ND	PASS
2-Methylpropane (Isobutane)	0.052 / 0.173		N/A	ND	
n-Butane	0.019/0.063	5000	±0.0109	0.264	PASS
Total Butanes				0.264	
2-Methylbutane (Isopentane)	0.310 / 1.035		N/A	ND	
2,2-Dimethylpropane (Neopentane)	0.035 / 0.117		N/A	ND	
n-Pentane	0.310 / 1.033	5000	N/A	ND	PASS
Total Pentanes				ND	
2,2-Dimethylbutane (Neohexane)	9.831 / 32.77		N/A	ND	
2,3-Dimethylbutane / 2-Methylpentane	0.381 / 1.271		N/A	ND	
3-Methylpentane	0.109 / 0.365		N/A	ND	
n-Hexane	0.110 / 0.366	290	N/A	ND	PASS
Total Hexanes				ND	
Cyclohexane	0.357 / 1.190		N/A	ND	
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642		N/A	ND	
2,3-Dimethylpentane	1.009 / 3.365		N/A	ND	
2,4-Dimethylpentane	0.737 / 2.458		N/A	ND	
3,3-Dimethylpentane	0.198 / 0.660		N/A	ND	
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738		N/A	ND	
2-Methylhexane (Isoheptane)	0.610/2.034		N/A	ND	
3-Methylhexane	0.235 / 0.785		N/A	ND	
3-Ethylpentane	0.304/1.012		N/A	ND	
n-Heptane	13.12 / 43.72	5000	N/A	ND	PASS
Total Heptanes				ND	
Cycloheptane	0.597 / 1.989		N/A	ND	
Benzene	0.089 / 0.295	1	N/A	ND	PASS
Toluene	0.115 / 0.382	890	N/A	ND	PASS
Cumene	0.180 / 0.600		N/A	ND	
1,3-Dimethylbenzene / 1,4-Dimethylbenzene	0.451 / 1.502		N/A	ND	
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289		N/A	ND	
Ethylbenzene	0.370 / 1.233		N/A	ND	
Total Xylenes		2170		ND	PASS
Methanol	53.92 / 163.4	3000	N/A	ND	PASS
Ethanol	8.984 / 27.23	5000	N/A	<loq< td=""><td>PASS</td></loq<>	PASS
1-Propanol	1.540 / 5.133		N/A	ND	
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	5000	N/A	ND	PASS

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RESIDUAL SOLVENTS TEST RESULTS - 07/14/2023 continued PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
1-Butanol	0.475 / 1.582		N/A	ND	
2-Butanol	7.248 / 24.16		N/A	ND	
1-Pentanol	1.461 / 4.869		N/A	ND	
Acetone	10.59 / 32.08	5000	N/A	ND	PASS
2-Butanone	0.169 / 0.564		N/A	ND	
Tetrahydrofuran	0.622 / 2.075		N/A	ND	
Ethyl Ether	0.197 / 0.658	5000	N/A	ND	PASS
Ethylene Glycol	3.803 / 12.68		N/A	ND	
2-Ethoxyethanol	1.235 / 4.118		N/A	ND	
1,2-Dimethoxyethane	2.116 / 7.052		N/A	ND	
1,4-Dioxane	0.468 / 1.558		N/A	ND	
Ethylene Oxide	0.253 / 0.844	1	N/A	ND	PASS
Ethyl Acetate	1.123 / 3.745	5000	N/A	ND	PASS
Isopropyl Acetate	0.347 / 1.158		N/A	ND	
Chloroform	0.251 / 0.838	1	N/A	ND	PASS
Dichloromethane (Methylene Chloride)	2.651 / 8.838	1	N/A	ND	PASS
Trichloroethylene	0.299 / 0.996	1	N/A	ND	PASS
1,2-Dichloroethane	0.162 / 0.541	1	N/A	ND	PASS
1,1-Dichloroethene	0.185 / 0.616		N/A	ND	
1,2-Dichloroethene	0.428 / 1.427		N/A	ND	
Sulfolane	47.66 / 158.9		N/A	ND	
Dimethyl Sulfoxide	6.168 / 20.56		N/A	ND	
Acetonitrile	1.595 / 4.833	410	N/A	ND	PASS
Pyridine	0.407 / 1.355		N/A	ND	
N,N-Dimethylacetamide	0.127/0.422		N/A	ND	
N,N-Dimethylformamide	0.946 / 3.153		N/A	ND	



Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 07/14/2023 **⊘** PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Arsenic	0.02/0.1	1.5	N/A	ND	PASS
Cadmium	0.02/0.05	0.5	N/A	ND	PASS
Lead	0.04/0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	3	N/A	ND	PASS



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Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 07/15/2023 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS
Salmonella spp.	Not Detected in 1g	ND	PASS
Aspergillus fumigatus	Not Detected in 1g	ND	PASS
Aspergillus flavus	Not Detected in 1g	ND	PASS
Aspergillus niger	Not Detected in 1g	ND	PASS
Aspergillus terreus	Not Detected in 1g	ND	PASS
Candida albicans		ND	
Campylobacter spp.		ND	
Yersinia spp.		ND	
Listeria monocytogenes		ND	
Pseudomonas aeruginosa		ND	
Bile-Tolerant Gram-Negative Bacteria		ND	
Staphylococcus aureus		ND	

Analysis conducted by $3M^{\text{TM}}$ Petrifilm and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M[™] Petrifilm[™]

MICROBIOLOGY TEST RESULTS (PLATING) - 07/15/2023 ND

COMPOUND	(cfu/g)
Total Aerobic Bacteria	ND
Total Yeast and Mold	ND
Total Enterobacteriaceae	ND
Escherichia coli	ND
Coliforms	ND