



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 21-006454/D004.R000
Report Date: 06/17/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/10/21 10:56

Customer: GVB Biopharma
Product identity: Sour Strawberry 25mg BSD
Client/Metric ID: G-SF-060
Laboratory ID: 21-006454-0003

Sample Date: 06/07/21

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g†	0.0497		mg/1g		CBD-Total per 1g 6.38 mg/1g
CBD per 1g	6.38		mg/1g		
CBN per 1g	0.0392		mg/1g		THC-Total per 1g <LOQ
(Reported in milligrams per serving)					

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Less than LOQ for all analytes.

Metals:

Analyte	Result	Units
Lead	0.0678	mg/kg

Microbiology:

Less than LOQ for all analytes.



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Customer: GVB Biopharma
 4456 E. Graig Rd
 Las Vegas Nevada 89115
 United States of America (USA)

Product identity: Sour Strawberry 25mg BSD
Client/Metric ID: G-SF-060
Sample Date: 06/07/21
Laboratory ID: 21-006454-0003
Evidence of Cooling: No
Temp: 20 °C
Serving Size #1: 1 g

Sample Results

Potency per 1g		Method J AOAC 2015 V98-6 (mod)Units mg/se			Batch: 2105329	Analyze: 6/15/21 8:33:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 1g†	0.0497		mg/1g	0.0320		
CBC-A per 1g†	< LOQ		mg/1g	0.0320		
CBC-Total per 1g†	< LOQ		mg/1g	0.0601		
CBD per 1g	6.38		mg/1g	0.0320		
CBD-A per 1g	< LOQ		mg/1g	0.0320		
CBD-Total per 1g	6.38		mg/1g	0.0601		
CBDV per 1g†	< LOQ		mg/1g	0.0320		
CBDV-A per 1g†	< LOQ		mg/1g	0.0320		
CBDV-Total per 1g†	< LOQ		mg/1g	0.0598		
CBE per 1g†	< LOQ		mg/1g	0.320		
CBG per 1g†	< LOQ		mg/1g	0.0320		
CBG-A per 1g†	< LOQ		mg/1g	0.0320		
CBG-Total per 1g†	< LOQ		mg/1g	0.0598		
CBL per 1g†	< LOQ		mg/1g	0.0320		
CBL-A per 1g†	< LOQ		mg/1g	0.0320		
CBL-Total per 1g†	< LOQ		mg/1g	0.0601		
CBN per 1g	0.0392		mg/1g	0.0320		
CBT per 1g†	< LOQ		mg/1g	0.320		
Δ8-THCV per 1g†	< LOQ		mg/1g	0.0320		
Δ8-THC per 1g†	< LOQ		mg/1g	0.0320		
Δ9-THC per 1g	< LOQ		mg/1g	0.0320		
exo-THC per 1g†	< LOQ		mg/1g	0.320		
THC-A per 1g	< LOQ		mg/1g	0.0320		
THC-Total per 1g	< LOQ		mg/1g	0.0601		
THCV per 1g†	< LOQ		mg/1g	0.0320		
THCV-A per 1g†	< LOQ		mg/1g	0.0320		
THCV-Total per 1g†	< LOQ		mg/1g	0.0601		
Total Cannabinoids per 1g	6.48		mg/1g			



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2105128	06/13/21	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2105128	06/13/21	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2105127	06/13/21	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2105127	06/13/21	AOAC 2014.05 (RAPID)	X

Solvents		Method Residual Solvents by GC/MS				Units $\mu\text{g/g}$	Batch 2105187	Analyze 06/15/21 02:16 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ	2170	600	pass	



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2105321 Analyze 06/16/21 02:25 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							



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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2105252	Analyze 06/14/21 08:25 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
Geraniol [†]	< LOQ	0.018	0.00%		a-Terpinene [†]	< LOQ	0.018	0.00%	
β-Myrcene [†]	< LOQ	0.018	0.00%		Terpinolene [†]	< LOQ	0.018	0.00%	
Sabinene [†]	< LOQ	0.018	0.00%		(R)-(+)-Limonene [†]	< LOQ	0.018	0.00%	
Linalool [†]	< LOQ	0.018	0.00%		nerol [†]	< LOQ	0.018	0.00%	
gamma-Terpinene [†]	< LOQ	0.018	0.00%		(+)-Pulegone [†]	< LOQ	0.018	0.00%	
Sabinene hydrate [†]	< LOQ	0.018	0.00%		p-Cymene [†]	< LOQ	0.018	0.00%	
a-phellandrene [†]	< LOQ	0.018	0.00%		valencene [†]	< LOQ	0.018	0.00%	
Geranyl acetate [†]	< LOQ	0.018	0.00%		(-)-β-Pinene [†]	< LOQ	0.018	0.00%	
a-pinene [†]	< LOQ	0.018	0.00%		(-)-a-Terpineol [†]	< LOQ	0.018	0.00%	
(+)-fenchol [†]	< LOQ	0.018	0.00%		(±)-fenchone [†]	< LOQ	0.018	0.00%	
(±)-Camphor [†]	< LOQ	0.018	0.00%		Humulene [†]	< LOQ	0.018	0.00%	
(-)-caryophyllene oxide [†]	< LOQ	0.018	0.00%		(-)-Guaiol [†]	< LOQ	0.018	0.00%	
(-)-Isopulegol [†]	< LOQ	0.018	0.00%		(+)-Borneol [†]	< LOQ	0.018	0.00%	
(+)-Cedrol [†]	< LOQ	0.018	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.018	0.00%	
(±)-trans-Nerolidol [†]	< LOQ	0.018	0.00%		a-Bisabolol [†]	< LOQ	0.018	0.00%	
a-cedrene [†]	< LOQ	0.018	0.00%		Camphene [†]	< LOQ	0.018	0.00%	
cis-β-Ocimene [†]	< LOQ	0.006	0.00%		d-3-Carene [†]	< LOQ	0.018	0.00%	
Eucalyptol [†]	< LOQ	0.018	0.00%		farnesene [†]	< LOQ	0.018	0.00%	
Isoborneol [†]	< LOQ	0.018	0.00%		Menthol [†]	< LOQ	0.018	0.00%	
β-Caryophyllene [†]	< LOQ	0.018	0.00%		trans-β-Ocimene [†]	< LOQ	0.012	0.00%	
Total Terpenes	< LOQ								

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.00635	2105259	06/15/21	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.00635	2105259	06/15/21	AOAC 2013.06 (mod.)	X	
Lead	0.0678		mg/kg	0.00635	2105259	06/15/21	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.00317	2105259	06/15/21	AOAC 2013.06 (mod.)	X	

Mycotoxins									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Aflatoxin B2 [†]	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Aflatoxin B1 [†]	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Aflatoxin G1 [†]	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Aflatoxin G2 [†]	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Deoxynivalenol [†]	< LOQ		µg/kg	200	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Fumonisin B1 [†]	< LOQ		µg/kg	200	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Fumonisin B2 [†]	< LOQ		µg/kg	200	2105305	06/16/21	AOAC 2007.01 & EN 15662		
HT2-Toxin [†]	< LOQ		µg/kg	40.0	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Nivalenol [†]	< LOQ		µg/kg	400	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Ochratoxin A [†]	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Ochratoxin B [†]	< LOQ		µg/kg	2.00	2105305	06/16/21	AOAC 2007.01 & EN 15662		
T2-Toxin [†]	< LOQ		µg/kg	20.0	2105305	06/16/21	AOAC 2007.01 & EN 15662		
Zearalenone [†]	< LOQ		µg/kg	200	2105305	06/16/21	AOAC 2007.01 & EN 15662		



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Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Moisture (Loss on Drying)	11.0		g/100g	0.10	2105354	06/16/21	AOAC 925.10 (mod.)	X
Water Activity	0.613		Aw	0.030	2105238	06/14/21	AOAC 978.18	X



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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/1g = Milligram per 1g

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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Customer: GVB Biopharma
Product identity: Mango 25mg BSD
Client/Metric ID: G-SF-060
Laboratory ID: 21-006454-0002

Sample Date: 06/07/21

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g†	0.0544		mg/1g		CBD-Total per 1g 7.01 mg/1g
CBD per 1g	7.01		mg/1g		
CBN per 1g	0.0425		mg/1g		THC-Total per 1g <LOQ
(Reported in milligrams per serving)					

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Less than LOQ for all analytes.

Metals:

Analyte	Result	Units
Lead	0.117	mg/kg

Microbiology:

Less than LOQ for all analytes.



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Customer: GVB Biopharma
 4456 E. Graig Rd
 Las Vegas Nevada 89115
 United States of America (USA)

Product identity: Mango 25mg BSD
Client/Metric ID: G-SF-060
Sample Date: 06/07/21
Laboratory ID: 21-006454-0002
Evidence of Cooling: No
Temp: 20 °C
Serving Size #1: 1 g

Sample Results

Potency per 1g						Method J AOAC 2015 V98-6 (mod)Units mg/se						Batch: 2105329						Analyze: 6/15/21 8:25:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes																		
CBC per 1g†	0.0544		mg/1g	0.0325																			
CBC-A per 1g†	< LOQ		mg/1g	0.0325																			
CBC-Total per 1g†	< LOQ		mg/1g	0.0610																			
CBD per 1g	7.01		mg/1g	0.0325																			
CBD-A per 1g	< LOQ		mg/1g	0.0325																			
CBD-Total per 1g	7.01		mg/1g	0.0610																			
CBDV per 1g†	< LOQ		mg/1g	0.0325																			
CBDV-A per 1g†	< LOQ		mg/1g	0.0325																			
CBDV-Total per 1g†	< LOQ		mg/1g	0.0606																			
CBE per 1g†	< LOQ		mg/1g	0.325																			
CBG per 1g†	< LOQ		mg/1g	0.0325																			
CBG-A per 1g†	< LOQ		mg/1g	0.0325																			
CBG-Total per 1g†	< LOQ		mg/1g	0.0606																			
CBL per 1g†	< LOQ		mg/1g	0.0325																			
CBL-A per 1g†	< LOQ		mg/1g	0.0325																			
CBL-Total per 1g†	< LOQ		mg/1g	0.0610																			
CBN per 1g	0.0425		mg/1g	0.0325																			
CBT per 1g†	< LOQ		mg/1g	0.325																			
Δ8-THCV per 1g†	< LOQ		mg/1g	0.0325																			
Δ8-THC per 1g†	< LOQ		mg/1g	0.0325																			
Δ9-THC per 1g	< LOQ		mg/1g	0.0325																			
exo-THC per 1g†	< LOQ		mg/1g	0.325																			
THC-A per 1g	< LOQ		mg/1g	0.0325																			
THC-Total per 1g	< LOQ		mg/1g	0.0610																			
THCV per 1g†	< LOQ		mg/1g	0.0325																			
THCV-A per 1g†	< LOQ		mg/1g	0.0325																			
THCV-Total per 1g†	< LOQ		mg/1g	0.0610																			
Total Cannabinoids per 1g	7.12		mg/1g																				



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2105128	06/13/21	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2105128	06/13/21	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2105127	06/13/21	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2105127	06/13/21	AOAC 2014.05 (RAPID)	X

Solvents		Method Residual Solvents by GC/MS				Units $\mu\text{g/g}$	Batch 2105187	Analyze 06/15/21 02:16 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ	2170	600	pass	



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2105321 Analyze 06/16/21 02:25 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							



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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2105252	Analyze 06/14/21 07:50 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
Geraniol†	< LOQ	0.019	0.00%		a-Terpinene†	< LOQ	0.019	0.00%	
β-Myrcene†	< LOQ	0.019	0.00%		Terpinolene†	< LOQ	0.019	0.00%	
Sabinene†	< LOQ	0.019	0.00%		(R)-(+)-Limonene†	< LOQ	0.019	0.00%	
Linalool†	< LOQ	0.019	0.00%		nerol†	< LOQ	0.019	0.00%	
gamma-Terpinene†	< LOQ	0.019	0.00%		Sabinene hydrate†	< LOQ	0.019	0.00%	
p-Cymene†	< LOQ	0.019	0.00%		(-)-a-Terpineol†	< LOQ	0.019	0.00%	
(+)-Pulegone†	< LOQ	0.019	0.00%		valencene†	< LOQ	0.019	0.00%	
Geranyl acetate†	< LOQ	0.019	0.00%		(-)-β-Pinene†	< LOQ	0.019	0.00%	
a-pinene†	< LOQ	0.019	0.00%		(+)-fenchol†	< LOQ	0.019	0.00%	
(±)-fenchone†	< LOQ	0.019	0.00%		(±)-Camphor†	< LOQ	0.019	0.00%	
a-phellandrene†	< LOQ	0.019	0.00%		(-)-caryophyllene oxide†	< LOQ	0.019	0.00%	
(-)-Guaiol†	< LOQ	0.019	0.00%		(-)-Isopulegol†	< LOQ	0.019	0.00%	
(+)-Borneol†	< LOQ	0.019	0.00%		(+)-Cedrol†	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol†	< LOQ	0.019	0.00%		(±)-trans-Nerolidol†	< LOQ	0.019	0.00%	
a-Bisabolol†	< LOQ	0.019	0.00%		a-cedrene†	< LOQ	0.019	0.00%	
Camphene†	< LOQ	0.019	0.00%		cis-β-Ocimene†	< LOQ	0.006	0.00%	
d-3-Carene†	< LOQ	0.019	0.00%		Eucalyptol†	< LOQ	0.019	0.00%	
farnesene†	< LOQ	0.019	0.00%		Humulene†	< LOQ	0.019	0.00%	
Isoborneol†	< LOQ	0.019	0.00%		Menthol†	< LOQ	0.019	0.00%	
β-Caryophyllene†	< LOQ	0.019	0.00%		trans-β-Ocimene†	< LOQ	0.012	0.00%	
Total Terpenes	< LOQ								

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.00701	2105259	06/15/21	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.00701	2105259	06/15/21	AOAC 2013.06 (mod.)	X
Lead	0.117		mg/kg	0.00701	2105259	06/15/21	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.00350	2105259	06/15/21	AOAC 2013.06 (mod.)	X

Mycotoxins								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aflatoxin B2†	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Aflatoxin B1†	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Aflatoxin G1†	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Aflatoxin G2†	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Deoxynivalenol†	< LOQ		µg/kg	200	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Fumonisin B1†	< LOQ		µg/kg	200	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Fumonisin B2†	< LOQ		µg/kg	200	2105305	06/16/21	AOAC 2007.01 & EN 15662	
HT2-Toxin†	< LOQ		µg/kg	40.0	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Nivalenol†	< LOQ		µg/kg	400	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Ochratoxin A†	< LOQ		µg/kg	5.00	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Ochratoxin B†	< LOQ		µg/kg	2.00	2105305	06/16/21	AOAC 2007.01 & EN 15662	
T2-Toxin†	< LOQ		µg/kg	20.0	2105305	06/16/21	AOAC 2007.01 & EN 15662	
Zearalenone†	< LOQ		µg/kg	200	2105305	06/16/21	AOAC 2007.01 & EN 15662	



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Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Moisture (Loss on Drying)	14.9		g/100g	0.10	2105354	06/16/21	AOAC 925.10 (mod.)	X
Water Activity	0.671		Aw	0.030	2105238	06/14/21	AOAC 978.18	X



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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/1g = Milligram per 1g

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager