



Product identity: Cbd Soft Gel 20mg Lot SN125866
Laboratory ID: 19-010752-0003

Client/Metric ID:
Sample Date:

Summary

Potency:

Analyte	Result	Limits	Units		
CBC†	0.115		%		CBD-Total per 0.92g 33.1 mg/0.92g
CBD	3.59		%		
CBD-A	0.00937		%		THC-Total per 0.92g 1.39 mg/0.92g
CBDV†	0.0166		%		
CBG†	0.140		%		CBD-Total per 27.6g 993 mg/27.6g
Δ9-THC	0.151		%		
					THC-Total per 27.6g 41.7 mg/27.6g
					(Reported in milligrams per serving)
Analyte per 0.92g	Result	Limits	Units		
CBC per 0.92g†	1.06		mg/0.92g		
CBD per 0.92g	33.0		mg/0.92g		
CBD-A per 0.92g	0.0862		mg/0.92g		
CBDV per 0.92g†	0.153		mg/0.92g		
CBG per 0.92g†	1.29		mg/0.92g		
Δ9-THC per 0.92g	1.39		mg/0.92g		
Analyte per 27.6g	Result	Limits	Units		
CBC per 27.6g†	31.7		mg/27.6g		
CBD per 27.6g	991		mg/27.6g		
CBD-A per 27.6g	2.59		mg/27.6g		
CBDV per 27.6g†	4.58		mg/27.6g		
CBG per 27.6g†	38.6		mg/27.6g		
Δ9-THC per 27.6g	41.7		mg/27.6g		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
farnesene†	0.0336	53.33%	β-Caryophyllene†	0.0294	46.67%
Total Terpenes†	0.0630	100.00%			

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



Customer: Trace Minerals Research

Product identity: Cbd Soft Gel 20mg Lot SN125866

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-010752-0003

Relinquished by: Received By Mail

Temp: 25.2 °C

Serving Size #1: 0.92 g

Serving Size #2: 27.6 g



Sample Results

Potency		Batch: 1908138					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	0.115		%	0.0032	09/10/19	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
CBC-Total†	0.115		%	0.0059	09/16/19	J AOAC 2015 V98-6	
CBD	3.59		%	0.315	09/10/19	J AOAC 2015 V98-6	
CBD-A	0.00937		%	0.0032	09/10/19	J AOAC 2015 V98-6	
CBD-Total	3.60		%	0.318	09/16/19	J AOAC 2015 V98-6	
CBDV†	0.0166		%	0.0032	09/10/19	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
CBDV-Total†	0.0166		%	0.0059	09/16/19	J AOAC 2015 V98-6	
CBG†	0.140		%	0.0032	09/10/19	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
CBG-Total†	0.140		%	0.0059	09/16/19	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
Δ9-THC	0.151		%	0.0032	09/10/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
THC-Total	0.151		%	0.0059	09/16/19	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0032	09/10/19	J AOAC 2015 V98-6	
THCV-Total†	0.000		%	0.0059	09/16/19	J AOAC 2015 V98-6	

Potency per 0.92g		Batch: 1908138					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 0.92g†	1.06		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
CBC-A per 0.92g†	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
CBC-Total per 0.92g†	1.06		mg/0.92g	0.0576	09/16/19	J AOAC 2015 V98-6	
CBD per 0.92g	33.0		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
CBD-A per 0.92g	0.0862		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



Potency per 0.92g Batch: 1908138

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD-Total per 0.92g	33.1		mg/0.92g	0.0576	09/16/19	J AOAC 2015 V98-6	
CBDV per 0.92g [†]	0.153		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
CBDV-A per 0.92g [†]	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
CBDV-Total per 0.92g [†]	0.153		mg/0.92g	0.0572	09/16/19	J AOAC 2015 V98-6	
CBG per 0.92g [†]	1.29		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
CBG-A per 0.92g [†]	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
CBG-Total per 0.92g [†]	1.29		mg/0.92g	0.0576	09/16/19	J AOAC 2015 V98-6	
CBL per 0.92g [†]	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
CBN per 0.92g	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
Δ8-THC per 0.92g [†]	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
Δ9-THC per 0.92g	1.39		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
THC-A per 0.92g	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
THC-Total per 0.92g	1.39		mg/0.92g	0.0576	09/16/19	J AOAC 2015 V98-6	
THCV per 0.92g [†]	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
THCV-A per 0.92g [†]	< LOQ		mg/0.92g	0.0307	09/16/19	J AOAC 2015 V98-6	
THCV-Total per 0.92g [†]	< LOQ		mg/0.92g	0.0572	09/16/19	J AOAC 2015 V98-6	

Potency per 27.6g Batch: 1908138

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 27.6g [†]	31.7		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBC-A per 27.6g [†]	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBC-Total per 27.6g [†]	31.7		mg/27.6g	1.73	09/16/19	J AOAC 2015 V98-6	
CBD per 27.6g	991		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBD-A per 27.6g	2.59		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBD-Total per 27.6g	993		mg/27.6g	1.73	09/16/19	J AOAC 2015 V98-6	
CBDV per 27.6g [†]	4.58		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBDV-A per 27.6g [†]	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBDV-Total per 27.6g [†]	4.58		mg/27.6g	1.72	09/16/19	J AOAC 2015 V98-6	
CBG per 27.6g [†]	38.6		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBG-A per 27.6g [†]	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBG-Total per 27.6g [†]	38.6		mg/27.6g	1.73	09/16/19	J AOAC 2015 V98-6	
CBL per 27.6g [†]	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
CBN per 27.6g	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
Δ8-THC per 27.6g [†]	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
Δ9-THC per 27.6g	41.7		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
THC-A per 27.6g	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
THC-Total per 27.6g	41.7		mg/27.6g	1.73	09/16/19	J AOAC 2015 V98-6	
THCV per 27.6g [†]	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
THCV-A per 27.6g [†]	< LOQ		mg/27.6g	0.920	09/16/19	J AOAC 2015 V98-6	
THCV-Total per 27.6g [†]	< LOQ		mg/27.6g	1.72	09/16/19	J AOAC 2015 V98-6	

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1908077	09/11/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1908077	09/11/19	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1908075	09/11/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1908075	09/11/19	AOAC 2014.05 (RAPID)	X

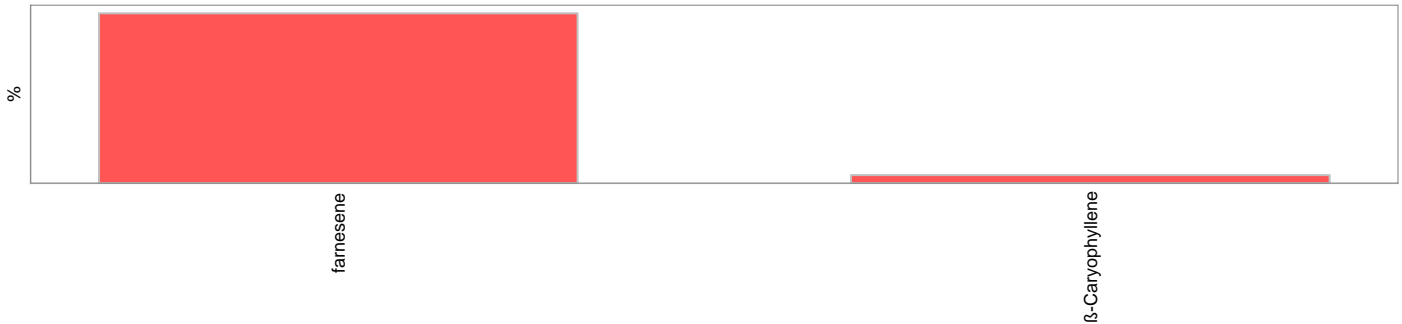
Solvents						Method EPA5021A		Units µg/g		Batch 1908072		Analyze 09/09/19 11:51 AM	
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes		
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass			
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200				
2-Methylpentane	< 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	30.0	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	200	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			

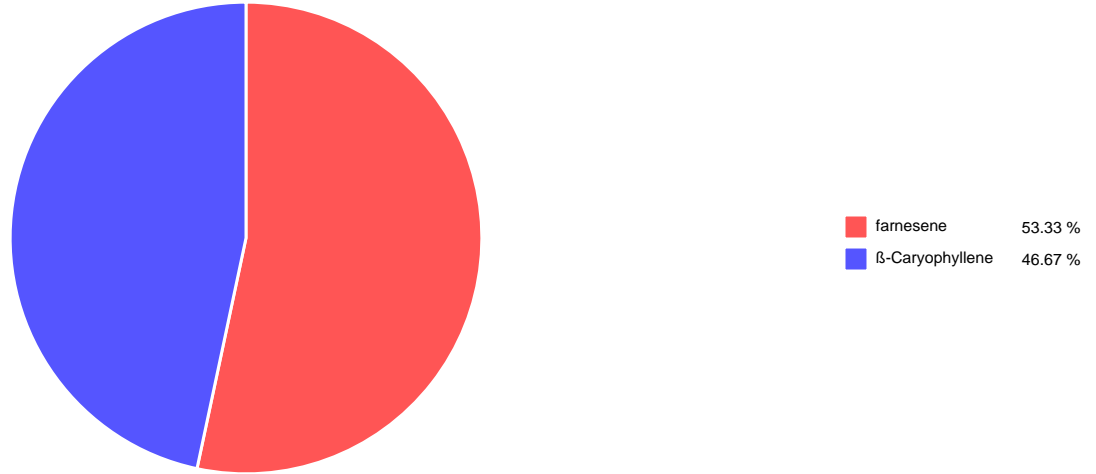


Pesticides		Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 1908114	Analyze 09/10/19 01:46 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	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	0.100	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 (incl.	< 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	0.100	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							



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1908108	Analyze 09/10/19 11:56 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene†	0.0336	0.020	53.33%		β-Caryophyllene†	0.0294	0.020	46.67%	
α-Bisabolol†	< LOQ	0.020	0.00%		(-)-Guaiol†	< LOQ	0.020	0.00%	
Humulene†	< LOQ	0.020	0.00%		(-)-α-Terpineol†	< LOQ	0.020	0.00%	
(-)-caryophyllene oxide†	< LOQ	0.020	0.00%		(-)-Isopulegol†	< LOQ	0.020	0.00%	
(-)-β-Pinene†	< LOQ	0.020	0.00%		(+)-Borneol†	< LOQ	0.020	0.00%	
(+)-Cedrol†	< LOQ	0.020	0.00%		(+)-fenchol†	< LOQ	0.020	0.00%	
(+)-Pulegone†	< LOQ	0.020	0.00%		(±)-Camphor†	< LOQ	0.020	0.00%	
(±)-cis-Nerolidol†	< LOQ	0.020	0.00%		(±)-fenchone†	< LOQ	0.020	0.00%	
(±)-trans-Nerolidol†	< LOQ	0.020	0.00%		(R)-(+)-Limonene†	< LOQ	0.020	0.00%	
α-cedrene†	< LOQ	0.020	0.00%		α-phellandrene†	< LOQ	0.020	0.00%	
α-pinene†	< LOQ	0.020	0.00%		α-Terpinene†	< LOQ	0.020	0.00%	
Camphene†	< LOQ	0.020	0.00%		cis-β-Ocimene†	< LOQ	0.006	0.00%	
d-3-Carene†	< LOQ	0.020	0.00%		Eucalyptol†	< LOQ	0.020	0.00%	
γ-Terpinene†	< LOQ	0.020	0.00%		Geraniol†	< LOQ	0.020	0.00%	
Geranyl acetate†	< LOQ	0.020	0.00%		Isoborneol†	< LOQ	0.020	0.00%	
Linalool†	< LOQ	0.020	0.00%		Menthol†	< LOQ	0.020	0.00%	
nerol†	< LOQ	0.020	0.00%		p-Cymene†	< LOQ	0.020	0.00%	
Sabinene†	< LOQ	0.020	0.00%		Sabinene hydrate†	< LOQ	0.020	0.00%	
β-Myrcene†	< LOQ	0.020	0.00%		Terpinolene†	< LOQ	0.020	0.00%	
trans-β-Ocimene†	< LOQ	0.013	0.00%		valencene†	< LOQ	0.020	0.00%	
Total Terpenes	0.0630								





Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0377	1908223	09/12/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0377	1908223	09/12/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0377	1908223	09/12/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0189	1908240	09/12/19	AOAC 2013.06 (mod.)	X

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aflatoxin B1†	< LOQ		µg/kg	5.00	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Aflatoxin B2†	< LOQ		µg/kg	5.00	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Aflatoxin G1†	< LOQ		µg/kg	5.00	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Aflatoxin G2†	< LOQ		µg/kg	5.00	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Deoxynivalenol†	< LOQ		µg/kg	200	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Fumonisin B1†	< LOQ		µg/kg	200	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Fumonisin B2†	< LOQ		µg/kg	400	1908119	09/10/19	AOAC 2007.01 & EN 15662	
HT2-Toxin†	< LOQ		µg/kg	40.0	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Nivalenol†	< LOQ		µg/kg	400	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Ochratoxin A†	< LOQ		µg/kg	5.00	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Ochratoxin B†	< LOQ		µg/kg	2.00	1908119	09/10/19	AOAC 2007.01 & EN 15662	
T2-Toxin†	< LOQ		µg/kg	20.0	1908119	09/10/19	AOAC 2007.01 & EN 15662	
Zearalenone†	< LOQ		µg/kg	200	1908119	09/10/19	AOAC 2007.01 & EN 15662	



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

µg/g = Microgram per gram

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

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

mg/0.92g = Milligram per 0.92g

mg/27.6g = Milligram per 27.6g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager