



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

MEDITERRA CBD, LLC
9805 RESEARCH DR
IRVINE, CALIFORNIA 92618

Batch # 53404
Batch Date: 2021-12-10
Extracted From: Broad Spectrum
Sampling Method: MSP 7.3.1

Test Reg State: Florida

Cultivation Date: 0000-00-00
Production Date: 0000-00-00

Order # MED211210-010001
Order Date: 2021-12-10
Sample # AACG364

Sampling Date: 2021-12-14
Lab Batch Date: 2021-12-14
Completion Date: 2021-12-19

Initial Gross Weight: 77.774 g
Net Weight: 28.740 g

Number of Units: 1
Net Weight per Unit: 28740.000 mg



Product Image

Potency Tested	Terpenes Tested	Heavy Metals Passed	Mycotoxins Passed	Pesticides Passed
Residual Solvents Passed	Listeria Monocytogenes Passed	Pathogenic Passed		

Potency - 11

Specimen Weight: 94.960 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.001	30.890	3.089
CBG	1000.000	0.000248	0.001	1.220	0.122
CBN	1000.000	0.000014	0.001	1.220	0.122
CBC	1000.000	0.000018	0.001	0.990	0.099
THCV	1000.000	0.000007	0.001	<LOQ	<LOQ
Delta-9 THC	1000.000	0.000013	0.001	<LOQ	<LOQ
Delta-8 THC	1000.000	0.000026	0.001	<LOQ	<LOQ
CBGA	1000.000	0.00008	0.001	<LOQ	<LOQ
CBDV	1000.000	0.000065	0.001	<LOQ	<LOQ
CBDA	1000.000	0.00001	0.001	<LOQ	<LOQ
THCA-A	1000.000	0.000032	0.001	<LOQ	<LOQ

Sample Prepared By: 1195 Date: 2021-12-15 23:43:45 Sample Analyzed By: 1199 Date: 2021-12-15 14:46:29
Batch Reviewed By: 1150 Date: 2021-12-18 18:20:52 Lab Batch #: AACG364-174 Date: 2021-12-18 18:20:52

Tested (HPLC/LC/MS)

Potency Summary

Total THC None Detected	Total CBD 3.089%	887.779mg
Total CBG 0.122%	35.063mg	Total CBN 0.122%
Other Cannabinoids 0.099%	28.453mg	Total Cannabinoids 3.432%
		986.357mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	1.314	0.131%

Total Terpenes: 0.131%

Detailed Terpenes Analysis is on the following page

Xueli Gao
Xueli Gao Lab Toxicologist
Ph.D., DABT

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Test Reg State: Florida

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Order # MED211210-010001
Order Date: 2021-12-10
Sample # AACG364

Sampling Date: 2021-12-14
Lab Batch Date: 2021-12-14
Completion Date: 2021-12-19

Initial Gross Weight: 77.774 g
Net Weight: 28.740 g

Number of Units: 1
Net Weight per Unit: 28740.000 mg



Terpenes

Specimen Weight: 94.960 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	1.314	0.131	(+)-Cedrol	0.002	<LOQ	
Nerol	0.002	<LOQ		Geraniol	0.002	<LOQ	
Geranyl acetate	0.002	<LOQ		Guaiol	0.002	<LOQ	
Hexahydrothymol	0.002	<LOQ		Isoborneol	0.002	<LOQ	
Isopulegol	0.002	<LOQ		Linalool	0.002	<LOQ	
Ocimene	0.000	<LOQ		Fenchyl Alcohol	0.002	<LOQ	
Pulegone	0.002	<LOQ		Sabinene	0.002	<LOQ	
Sabinene Hydrate	0.002	<LOQ		Terpinolene	0.002	<LOQ	
Total Terpeneol	0.001	<LOQ		trans-Nerolidol	0.002	<LOQ	
Gamma-Terpinene	0.002	<LOQ		Fenchone	0.002	<LOQ	
(R)-(+)-Limonene	0.002	<LOQ		3-Carene	0.002	<LOQ	
alpha-Bisabolol	0.002	<LOQ		alpha-Cedrene	0.002	<LOQ	
alpha-Humulene	0.002	<LOQ		alpha-Phellandrene	0.002	<LOQ	
alpha-Pinene	0.002	<LOQ		alpha-Terpinene	0.002	<LOQ	
Farnesene	0.002	<LOQ		beta-Myrcene	0.002	<LOQ	
beta-Pinene	0.002	<LOQ		Borneol	0.004	<LOQ	
Camphene	0.002	<LOQ		Camphors	0.006	<LOQ	
Caryophyllene oxide	0.002	<LOQ		cis-Nerolidol	0.002	<LOQ	
Eucalyptol	0.002	<LOQ		Valencene	0.002	<LOQ	

Sample Prepared By: 1027 Date: 2021-12-16 17:40:15 Sample Analyzed By: 1161 Date: 2021-12-16 16:25:29
Batch Reviewed By: 1156 Date: 2021-12-18 10:32:45 Lab Batch #: AACG364-175 Date: 2021-12-18 10:32:45

Total Terpenes: 0.131%

Xueli Gao
Xueli Gao Lab Toxicologist
Ph.D., DABT

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Order # MED211210-010001
Order Date: 2021-12-10
Sample # AACG364

Sampling Date: 2021-12-14
Lab Batch Date: 2021-12-14
Completion Date: 2021-12-19

Initial Gross Weight: 77.774 g
Net Weight: 28.740 g

Number of Units: 1
Net Weight per Unit: 28740.000 mg

H Heavy Metals

Specimen Weight: 245.390 mg

Passed
(ICP-MS)

Dilution Factor: 2.000

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

Sample Prepared By: 1024 Date: 2021-12-17 01:21:50 Sample Analyzed By: 1146 Date: 2021-12-18 20:21:51
Batch Reviewed By: 1146 Date: 2021-12-18 10:01:29 Lab Batch #: AACG364-164 Date: 2021-12-18 10:01:29

Mycotoxins

Specimen Weight: 152.500 mg

Passed
(LCMS)

Dilution Factor: 9.836

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin B2	6	20	<LOQ
Aflatoxin G1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Ochratoxin A	12	20	<LOQ				

Sample Prepared By: 1024 Date: 2021-12-16 18:22:59 Sample Analyzed By: 1024 Date: 2021-12-16 13:22:59
Batch Reviewed By: 1183 Date: 2021-12-17 14:53:19 Lab Batch #: AACG364-165 Date: 2021-12-17 14:53:19

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IRVINE, CALIFORNIA 92618

Batch # 53404
Batch Date: 2021-12-10
Extracted From: Broad Spectrum
Sampling Method: MSP 7.3.1

Test Reg State: Florida

Cultivation Date: 0000-00-00
Production Date: 0000-00-00

Order # MED211210-010001
Order Date: 2021-12-10
Sample # AACG364

Sampling Date: 2021-12-14
Lab Batch Date: 2021-12-14
Completion Date: 2021-12-19

Initial Gross Weight: 77.774 g
Net Weight: 28.740 g

Number of Units: 1
Net Weight per Unit: 28740.000 mg

Pesticides FL V4 **Passed**
(LCMS/GCMS)
Specimen Weight: 152.500 mg

Dilution Factor: 9.836

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Acephate	30	3000	<LOQ
Acequinocyl	48	2000	<LOQ	Acetamiprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Azoxystrobin	10	3000	<LOQ
Bifenazate	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Boscalid	10	3000	<LOQ	Captan	30	3000	<LOQ
Carbaryl	10	500	<LOQ	Carbofuran	10	100	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Chlordane	10	100	<LOQ
Chlorfenapyr	30	100	<LOQ	Chloromequat Chloride	10	3000	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	30	500	<LOQ
Coumaphos	48	100	<LOQ	Cyfluthrin	30	1000	<LOQ
Cypermethrin	30	1000	<LOQ	Daminozide	30	100	<LOQ
Diazinon	30	200	<LOQ	Dichlorvos	30	100	<LOQ
Dimethoate	30	100	<LOQ	Dimethomorph	48	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	10	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Flonicamid	30	2000	<LOQ
Fludioxonil	48	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Imazalil	30	100	<LOQ	Imidacloprid	30	3000	<LOQ
Kresoxim Methyl	30	1000	<LOQ	Malathion	30	2000	<LOQ
Metaxyl	10	3000	<LOQ	Methiocarb	30	100	<LOQ
Methomyl	30	100	<LOQ	methyl-Parathion	10	100	<LOQ
Mevinphos	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	500	<LOQ
Paclbutrazol	30	100	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Permethrin	30	1000	<LOQ	Phosmet	30	200	<LOQ
Piperonylbutoxide	30	3000	<LOQ	Prallethrin	30	400	<LOQ
Propiconazole	30	1000	<LOQ	Propoxur	30	100	<LOQ
Pyrethrins	30	1000	<LOQ	Pyridaben	30	3000	<LOQ
Spinetoram	10	3000	<LOQ	Spinosad	30	3000	<LOQ
Spiromesifen	30	3000	<LOQ	Spirotetramet	30	3000	<LOQ
Spiroxamine	30	100	<LOQ	Tebuconazole	30	1000	<LOQ
Thiacloprid	30	100	<LOQ	Thiamethoxam	30	1000	<LOQ
Trifloxystrobin	30	3000	<LOQ				

Sample Prepared By: 1024 Date: 2021-12-16 18:22:59 Sample Analyzed By: 1024 Date: 2021-12-16 13:22:59
Batch Reviewed By: 1183 Date: 2021-12-17 14:53:19 Lab Batch #: AACG364-202 Date: 2021-12-17 14:53:19

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MEDTERRA CBD, LLC 9805 RESEARCH DR IRVINE, CALIFORNIA 92618	Batch # 53404 Batch Date: 2021-12-10 Extracted From: Broad Spectrum Sampling Method: MSP 7.3.1	Test Reg State: Florida	Cultivation Date: 0000-00-00 Production Date: 0000-00-00
Order # MED211210-010001 Order Date: 2021-12-10 Sample # AACG364	Sampling Date: 2021-12-14 Lab Batch Date: 2021-12-14 Completion Date: 2021-12-19	Initial Gross Weight: 77.774 g Net Weight: 28.740 g	Number of Units: 1 Net Weight per Unit: 28740.000 mg

Residual Solvents - FL (CBD) Passed (GCMS)

Specimen Weight: 13.900 mg

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethane	0.16	8	<LOQ	1,2-Dichloroethane	0.04	5	<LOQ
Acetone	2.08	5000	<LOQ	Acetonitrile	1.17	410	<LOQ
Benzene	0.02	2	<LOQ	Butanes	2.5	2000	<LOQ
Chloroform	0.04	60	<LOQ	Ethanol	2.78	5000	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Ethyl Ether	1.39	5000	<LOQ
Ethylene Oxide	0.1	5	<LOQ	Heptane	1.39	5000	<LOQ
Hexane	1.17	290	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Methanol	0.69	3000	<LOQ	Methylene chloride	2.43	600	<LOQ
Pentane	2.08	5000	<LOQ	Propane	5.83	2100	<LOQ
Toluene	2.92	890	<LOQ	Total Xylenes	2.92	2170	<LOQ
Trichloroethylene	0.49	80	<LOQ				

Sample Prepared By: 1168 Date: 2021-12-14 14:56:05 Sample Analyzed By: 1051 Date: 2021-12-15 09:56:05
Batch Reviewed By: 1153 Date: 2021-12-16 15:43:17 Lab Batch #: AACG364-183 Date: 2021-12-16 15:43:17

Listeria Monocytogenes Passed (qPCR)

Specimen Weight: 982.100 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

Sample Prepared By: 1142 Date: 2021-12-16 15:14:15 Sample Analyzed By: 1142 Date: 2021-12-16 10:14:16
Batch Reviewed By: 1142 Date: 2021-12-17 09:20:09 Lab Batch #: AACG364-186 Date: 2021-12-17 09:20:09

Xueli Gao
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Order # MED211210-010001 Order Date: 2021-12-10 Sample # AACG364	Sampling Date: 2021-12-14 Lab Batch Date: 2021-12-14 Completion Date: 2021-12-19	Initial Gross Weight: 77.774 g Net Weight: 28.740 g	Number of Units: 1 Net Weight per Unit: 28740.000 mg

Pathogenic SAE (qPCR) **Passed**
(qPCR)
Specimen Weight: 248.800 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	E.Coli	1	Absence in 1g
			Salmonella	1	Absence in 1g

Sample Prepared By: 1142 Date: 2021-12-17 14:38:08 Sample Analyzed By: 1142 Date: 2021-12-17 09:38:09
Batch Reviewed By: 1142 Date: 2021-12-18 09:53:13 Lab Batch #: AACG364-121 Date: 2021-12-18 09:53:13

Xueli Gao
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Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, *Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram

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CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 69098
 Order Name: Medterra Broad
 Spectrum 2000mg Strawberry
 Mint 30ml 49497
 Batch#: 49497
 Received: 01/04/2021
 Completed: 01/08/2021

Medterra CBD, LLC
 9801 Research Drive
 Irvine CA, 92618
 (800) 971-1288
 support@medterracbd.com



Sample



N/D D9-THC	10.120% Total CBD
3,186.0 mg Cannabinoids per unit	2,869.1 mg CBD per unit

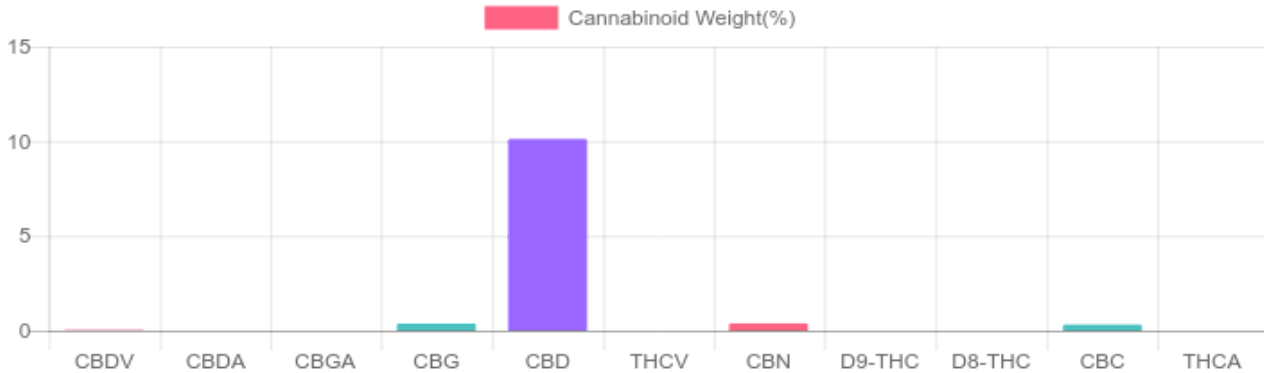
Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
 GSL SOP 400

UPLOADED: 01/08/2021 10:24:53

Cannabinoids	LOQ	weight(%)	mg/g	mg/unit
D9-THC	10 PPM	N/D	N/D	N/D
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	10.120%	101.202	2,869.1
CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	0.029%	0.289	8.2
CBC	10 PPM	0.321%	3.213	91.1
CBN	10 PPM	0.386%	3.859	109.4
CBG	10 PPM	0.381%	3.815	108.2
CBGA	20 PPM	N/D	N/D	N/D
D8-THC	10 PPM	N/D	N/D	N/D
THCV	10 PPM	N/D	N/D	N/D
TOTAL D9-THC		N/D	N/D	N/D
TOTAL CBD*		10.120%	101.202	2,869.1
TOTAL CANNABINOIDS		11.237%	112.378	3,186.0

1 unit = 30 ml per unit x density (0.945) x
 Cannabinoid concentration



Reporting Limit 10 ppm
 *Total CBD = CBD + CBDA x 0.877
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
 info@greenscientificlabs.com
 1-833 TEST CBD



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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 01/04/2021 18:50:33

UPLOADED: 01/05/2021 21:14:07

GCMS-MS - Shimadzu GCMS-TQ8040

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CAPTAN	0.700	N/D	0.003	0.001
CHLORDANE	0.100	N/D	0.003	0.001
CHLORFENAPYR	0.100	N/D	0.003	0.001
COUMAPHOS	0.100	N/D	0.003	0.001


Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CYFLUTHRIN	2.000	N/D	0.003	0.001
CYPERMETHRIN	1.000	N/D	0.003	0.001
PARATHION-METHYL	0.100	N/D	0.003	0.001
PENTACHLORONITROBENZENE	0.100	N/D	0.003	0.001


LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.001	0.001
ACEQUINOCYL	0.100	N/D	0.001	0.001
ACETAMIPRID	0.100	N/D	0.005	0.001
ALDICARB	0.100	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001
BIFENAZATE	0.100	N/D	0.005	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001
CARBOFURAN	0.100	N/D	0.001	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005
CHLORPYRIFOS	0.100	0.007	0.001	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001
DIAZINON	0.100	N/D	0.001	0.001
DICHLORVOS	0.100	N/D	0.005	0.001
DIMETHOATE	0.100	N/D	0.001	0.001
DIMETHOMORPH	2.000	N/D	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.001	0.001
ETOFENPROX	0.100	N/D	0.001	0.001
ETOXAZOLE	0.100	N/D	0.010	0.005
FENHEXAMID	0.100	N/D	0.005	0.001
FENOXYCARB	0.100	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001
FIPRONIL	0.100	N/D	0.003	0.001
FLONICAMID	0.100	N/D	0.025	0.010
FLUDIOXONIL	0.100	N/D	0.003	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001
IMAZALIL	0.100	N/D	0.005	0.001

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
IMIDACLOPRID	5.000	N/D	0.005	0.001
KRESOXIM-METHYL	0.100	N/D	0.010	0.005
MALATHION	0.500	N/D	0.005	0.001
METALAXYL	2.000	N/D	0.001	0.001
METHIOCARB	0.100	N/D	0.005	0.001
METHOMYL	1.000	N/D	0.001	0.001
MEVINPHOS	0.100	N/D	0.001	0.001
MYCLOBUTANIL	0.100	N/D	0.005	0.001
NALED	0.100	N/D	0.005	0.001
OXAMYL	0.500	N/D	0.001	0.001
PACLOBUTRAZOL	0.100	N/D	0.005	0.001
PERMETHRINS	0.500	N/D	0.005	0.001
PHOSMET	0.100	N/D	0.005	0.001
PIPERONYL				
BUTOXIDE	3.000	N/D	0.001	0.001
PRALLETHRIN	0.100	N/D	0.005	0.005
PROPICONAZOLE	0.100	N/D	0.010	0.005
PROPOXUR	0.100	N/D	0.001	0.001
PYRETHRINS (PYRETHRIN I)	0.500	N/D	0.005	0.005
PYRIDABEN	0.100	N/D	0.005	0.001
SPINETORAM	0.100	N/D	0.001	0.001
SPINOSAD	0.100	N/D	0.001	0.001
SPIROMESIFEN	0.100	N/D	0.005	0.001
SPIROTETRAMAT	0.100	N/D	0.001	0.001
SPIROXAMINE	0.100	N/D	0.001	0.001
TEBUCONAZOLE	0.100	N/D	0.005	0.001
THIACLOPRID	0.100	N/D	0.001	0.001
THIAMETHOXAM	5.000	N/D	0.001	0.001
TRIFLOXYSTROBIN	0.100	N/D	0.001	0.001

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level


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 Ben Witten, MS, MT., Lab Director

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RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 01/04/2021 16:57:45

Uploaded: 01/05/2021 12:34:46

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.63
1,2- DICHLOROETHANE	2	N/D	0.12	0.02
ACETONE	5,000	N/D	140	20
ACETONITRILE	410	N/D	25	1
BENZENE	1	N/D	1	0.5
BUTANE	5,000	N/D	50	10
CHLOROFORM	1	N/D	1	0.5
CIS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
ETHANOL	5,000	N/D	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ETHYLENE OXIDE	1	N/D	0	0
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
METHYLENE CHLORIDE	125	N/D	0.15	0.15
N-HEPTANE	5,000	N/D	140	20
N-HEXANE	290	N/D	18	10
PENTANE	5,000	N/D	140	20
PROPANE	5,000	N/D	20	1
TOLUENE	890	N/D	53	1
TRANS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
TRICHLOROETHENE	1	N/D	1	0.5
XYLENES	150	N/D	130	20

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Microbial Analysis:

Microbial Analysis GSL SOP 406

PCR - Agilent AriaMX

Uploaded: 01/06/2021 14:50:25

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MICROBIAL ANALYSIS:

PCR - Agilent AriaMX

Test	SOP	Test Method	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
ASPERGILLUS FUMIGATUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS TERREUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS FLAVUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS NIGER***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
STEC E. COLI*	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
SALMONELLA*	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

* STEC and Salmonella run as Multiplex

** CFU/g Calculation based on MIP/Extract matrix

*** Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

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Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 01/06/2021 17:04:39

Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	2,000	B/LOQ
CADMIUM (CD)	2,000	B/LOQ
MERCURY (HG)	1,000	B/LOQ
LEAD (PB)	5,000	B/LOQ

Lower Limit of Quantitation (LOQ) is 75 ppb

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