



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: Cartridge 300mg
Laboratory ID: 19-009164-0004

Client/Metric ID: .
Sample Date: 07/25/19 12:00

Summary

Potency:

Analyte per 1g	Result	Limits	Units	LOQ	
CBC per 1g [†]	0.113		mg/1g	0.03	CBD-Total per 1g 341 mg/1g
CBD per 1g	341		mg/1g	0.03	THC-Total per 1g < 0.063 mg/1g
CBDV per 1g [†]	1.25		mg/1g	0.03	(Reported in milligrams per serving)
CBG per 1g [†]	0.0568		mg/1g	0.03	

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Caryophyllene [†]	0.633	0.00	(R)-(+)-Limonene [†]	0.579	0.00
β-Myrcene [†]	0.536	0.00	Terpinolene [†]	0.506	0.00
α-pinene [†]	0.248	0.00	Linalool [†]	0.238	0.00
Humulene [†]	0.226	0.00	cis-β-Ocimene [†]	0.154	0.00
(-)-caryophyllene oxide [†]	0.0205	0.00	Total Terpenes[†]	3.14	0.01

Microbiology:

Less than LOQ for all analytes.



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Customer: Crescent Distributions
4505 Magazine St.
Product identity: Cartridge 300mg
Client/Metric ID: .
Sample Date: 07/25/19 12:00
Laboratory ID: 19-009164-0004
Relinquished by: Received By Mail
Temp: 26.1 °C
Serving Size #1: 1 g

Sample Results

Potency per 1g		Batch: 1907032					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1g [†]	0.113		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBC-A per 1g [†]	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBC-Total per 1g [†]	0.113		mg/1g	0.0626	08/06/19	J AOAC 2015 V98-6	
CBD per 1g	341		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBD-A per 1g	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBD-Total per 1g	341		mg/1g	0.0626	08/06/19	J AOAC 2015 V98-6	
CBDV per 1g [†]	1.25		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBDV-A per 1g [†]	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBDV-Total per 1g [†]	1.25		mg/1g	0.0622	08/06/19	J AOAC 2015 V98-6	
CBG per 1g [†]	0.0568		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBG-A per 1g [†]	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBG-Total per 1g [†]	< LOQ		mg/1g	0.0626	08/06/19	J AOAC 2015 V98-6	
CBL per 1g [†]	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
CBN per 1g	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
Δ8-THC per 1g [†]	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
Δ9-THC per 1g	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
THC-A per 1g	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
THC-Total per 1g	< LOQ		mg/1g	0.0626	08/06/19	J AOAC 2015 V98-6	
THCV per 1g [†]	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
THCV-A per 1g [†]	< LOQ		mg/1g	0.0333	08/06/19	J AOAC 2015 V98-6	
THCV-Total per 1g [†]	< LOQ		mg/1g	0.0622	08/06/19	J AOAC 2015 V98-6	



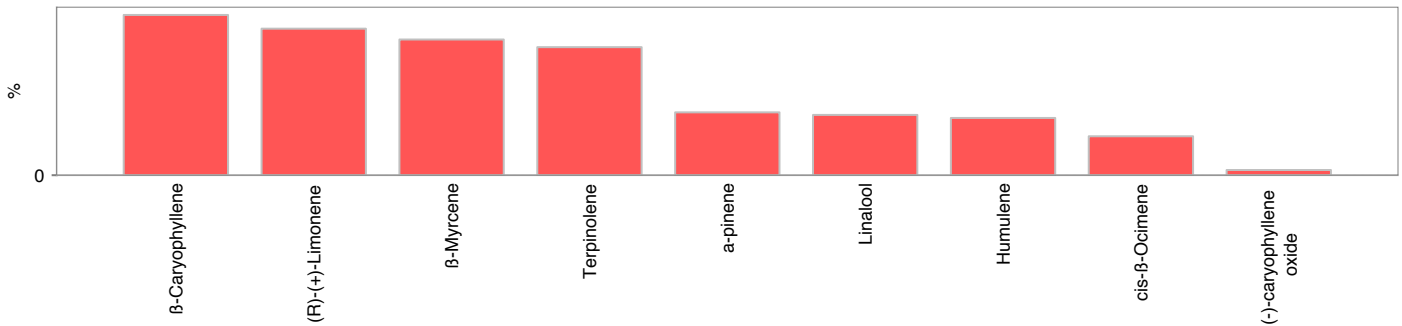
This report cannot be used for ODA, OHA or OLCC compliance requirements.

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1906928	08/04/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1906928	08/04/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1906927	08/04/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1906927	08/04/19	AOAC 2014.05 (RAPID)	X



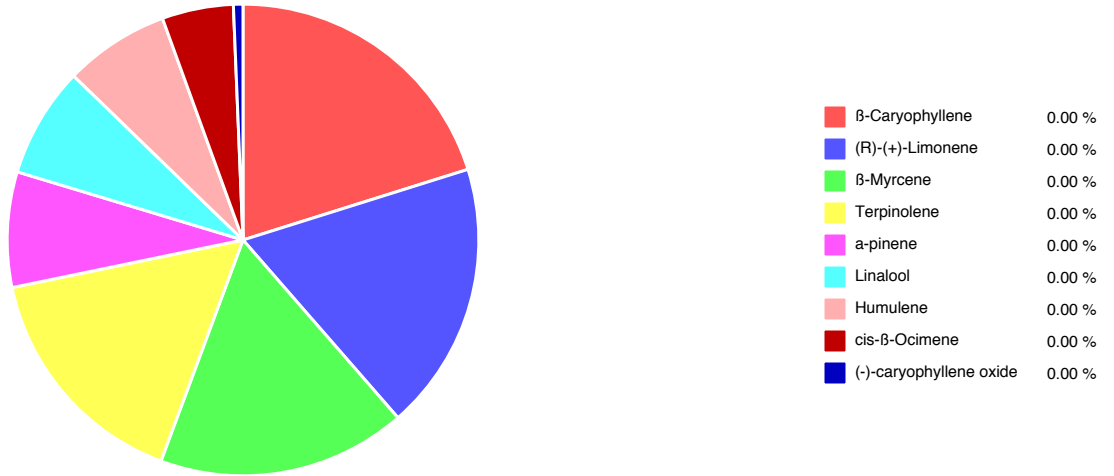
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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1906964	Analyze 08/02/19 02:17 PM			
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes	
β-Caryophyllene [†]	0.633	0.020	0.00%		(R)-(+)-Limonene [†]	0.579	0.020	0.00%		
β-Myrcene [†]	0.536	0.020	0.00%		Terpinolene [†]	0.506	0.020	0.00%		
α-pinene [†]	0.248	0.020	0.00%		Linalool [†]	0.238	0.020	0.00%		
Humulene [†]	0.226	0.020	0.00%		cis-β-Ocimene [†]	0.154	0.006	0.00%		
(-)-caryophyllene oxide [†]	0.0205	0.020	0.00%		(-)-α-Terpineol [†]	< LOQ	0.020	0.00%		
(-)-Guaiol [†]	< 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%		α-Bisabolol [†]	< LOQ	0.020	0.00%		
α-cedrene [†]	< LOQ	0.020	0.00%		α-phellandrene [†]	< LOQ	0.020	0.00%		
α-Terpinene [†]	< LOQ	0.020	0.00%		Camphene [†]	< LOQ	0.020	0.00%		
d-3-Carene [†]	< LOQ	0.020	0.00%		Eucalyptol [†]	< LOQ	0.020	0.00%		
farnesene [†]	< 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%		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%		
trans-β-Ocimene [†]	< LOQ	0.013	0.00%		valencene [†]	< LOQ	0.020	0.00%		
Total Terpenes	3.14									





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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

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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Fixis Labs
Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)
Abamectin	0.100	CIFC	1.000	Endrin	0.100
Acephate	0.100	Clethodim	0.050	EPN	0.050
Acequinocyl	0.100	Clethodim Sulfone	0.050	EPIC	0.100
Acetamiprid	0.020	Clethodim Sulfoxide	0.050	Esfenvalerate/ Fenvalerate	0.200
Acetochlor	0.100	Cbfentazine	0.020	Etaconazole	0.100
Acifluorfen	0.100	Cbmazone	0.020	Ethalfuralin	0.100
Acinathrin	0.100	Cbthianidin	0.200	Ethiofencarb	0.050
Alachlor	0.100	Cumaphos	0.050	Ethion	0.200
Aldicarb	0.100	Crdoxyphos	0.020	Ethirimol	0.100
Aldicarb sulfoxide	0.100	Cyarazine	0.020	Ethofumesate	0.050
Aldoxycarb (Aldicarb-sulfone)	0.100	Cyarmfenphos	0.020	Ethoprophos	0.020
Aldrin	0.100	Cyantranilprole	0.050	Etofenprox	0.020
Ametoctradin	0.020	Cyazfamid	0.020	Etozazole	0.020
Ametryn	0.500	Cytoate	0.100	Eridiazole	0.100
Aspon	0.100	Cyfluthrin	0.200	Erimfos	0.020
Asulam	0.100	Cyhalothrin, lambda	0.200	Famoxadone	0.200
Atrazine	0.100	Cymoxanil	0.050	Famphur	0.100
Atrazine-desethyl	0.100	Cypermethrin	0.200	Fenamidon	0.020
Azinphos-ethyl	0.020	Cyprodinil	0.100	Fenamiphos	0.020
Azinphos-methyl	0.020	Dadthal	0.100	Fenamiphos sulfone	0.020
Azoxystrobin	0.020	Damhozide	0.100	Fenamiphos sulfoxide	0.020
Berlaxyl	0.020	DCPMU	0.050	Fenazaquin	0.100
Berthocarb	0.020	DDD, op'	0.100	Fenbuconazole	0.100
Berfluralin	0.100	DDD, p,p'	0.100	Fenchlorphos	0.100
Berxacor	0.050	DDE, o,p'	0.100	Fenchlorphos-oxon	0.100
Bersulide	0.050	DDE, p,p'	0.100	Fenhexamid	0.100
BHC alpha isomer	0.100	DDT, o,p'	0.100	Fenitrothion	0.100
BHC beta isomer	0.100	DDT, p,p'	0.100	Fenobucarb	0.050
BHC delta isomer	0.500	DF (Tribufos)	0.100	Fenoxycarb	0.020
Bifenazate	0.020	Deltamethrin	0.100	Fenpropathrin	0.050
Bifenthrin	0.020	Desmedipham	0.100	Fenpyroximate	0.020
Boscalid	0.020	Diallate	0.100	Fenson	0.100
Bromophos-ethyl	0.100	Diazinon	0.020	Fensulfthion	0.020
Bromophos-methyl	0.200	Diazoxon	0.100	Fensulfthion oxon	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfthion sulfone	0.100
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfthion-oxon-sulfone	0.020
Bupirimate	0.020	Dichlorvos	0.100	Fenthion	0.050
Buprofezin	0.050	Diclobutrazol	0.050		
Butachlor	0.500	Dicofol	0.100	Fenthion oxon sulfone	0.100
Butralin	0.200	Dicrotophos	0.050		
Butylate	0.100	Dieldrin	0.100	Fenthion sulfoxide	0.100
Cadusafos	0.020	Diethofencarb	0.020	Fenthion sulfone	0.050
Captan	1.000	Diethyltoluamide (DEET)	0.050	Fenuron	0.020
Carbaryl	0.050	Difenoconazole	0.100	Fipronil	0.100
Cartendazim	0.100	Dimethenamid	0.050	Fonicamid	0.100
Carbofuran	0.020	Dimethoate	0.050	Fuchloralin	0.100
Carbophenothion	0.100	Dimethomorph	0.020	Rucythrinat	0.100
Carbophenothion-methyl	0.100	Diniconazole	0.200	Rudioxonil	0.200
Carboxin	0.020	Dinotefuran	0.200	Rufenacet	0.020
Carfentrazone-ethyl	0.100	Dobxathion	0.100	Rumioxazin	0.100
Chlorantranilprole	0.020	Dphenamid	0.020	Ruometuron	0.020
Chlordane, cis-	0.200	Diphenylamine	0.100	Ruopicolide	0.050
Chlordane, trans-	0.200	Disulfoton	0.100	Ruopyram	0.020
Chlorfenapyr	0.500	Disulfoton sulfone	0.100	Ruoxastrobin	0.050
Chlorfenson	0.200	Disulfoton sulfoxide	0.100	Rupyradifurone	0.020
Chlorfenvinphos	0.050	Diuron	0.050	Ruridone	0.100
Chlorobenzilate	0.100	Edifenphos	0.050	Rusiazole	0.020
Chloroneb	0.200	Endosulfan alpha	0.200	Rutolanil	0.020
Chlorpyrifos	0.050	Endosulfan beta	0.200	Rutriafol	0.020
Chlorpyrifos-methyl	0.200	Endosulfan sulfate	0.100	Ruvalinate, tau-	0.100
				Ruxapyroxad	0.020

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.



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Fixis Labs
Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ(mg/ kg)	Compound	LOQ(mg/ kg)	Compound	LOQ(mg/ kg)
Fomesafen	0.100	Mexacarbate	0.020	Propamocarb	0.050
Fonofos	0.100	MGK 264	0.020	Propanil	0.050
Forchlorfenuron	0.050	Mirex	0.100	Propargite	0.050
Formetanate	0.050	Molinate	0.050	Propazine	0.020
Furathiocarb	0.020	Monocrotophos	0.100	Propetamphos	0.050
Heptachlor	0.100	Monolinuron	0.020	Propham	0.050
Heptachlor epoxide	0.100	Myclobutanil	0.050	Propiconazole	0.050
Heptenophos	0.100	Naled	0.100	Propoxur	0.050
Hexachlorobenzene	0.100	Napropamide	0.050	Propoxycarbazone Na	0.050
Hexaconazole	0.100	Neburon	0.020	Propyzamide	0.050
Hexazinone	0.100	Nitrapyrin	0.100	Prthiofos	0.100
Hexythiazox	0.020	Norflurazon	0.050	Pyraclostrobin	0.020
Imazail	0.100	Omethoate	0.100	Pyrazophos	0.050
Imidacoprid	0.100	O-Phenylphenol	0.100	Pyrethrins	0.050
Imidoxone	0.020	Oxadixyl	0.100	Pyridaben	0.020
Indaziflam	0.020	Oxamyl	0.100	Pyridafol	0.100
Indoxacarb	0.020	Oxamyloxime	0.100	Pyridate	0.020
Iprobenfos	0.100	Oxychlorane	0.100	Pyrimethanil	0.050
Iprodione	0.100	Oxydemeton-Methyl	0.100	Pyriproxifen	0.020
Isobenzan	0.100	Oxythioquinox	0.200	Pyroxasulfone	0.020
Isocarbophos	0.500	Paclbutrazol	0.050	Pyroxulam	0.020
Isodrin	0.100	Paraoxon-ethyl	0.020	Quinalphos	0.050
Isufenphos	0.050	Paraoxon methyl	0.100	Quinoxyfen	0.050
Isufenphos-methyl	0.020	Parathion ethyl	0.100	Quintozene (PQNB)	0.200
Isufenphos oxon	0.050	Parathion methyl	0.200	Resmethrin	0.050
Isoprocarb	0.020	Perconazole	0.050	Potenone	0.050
Isopropalin	0.200	Pendimethalin	0.050	S421	0.100
Isoprothiolane	0.050	Perflufen	0.020	Smazine	0.100
Isoproturon	0.050	Pertachloroaniline	0.100	Simetryn	0.200
Isoxaben	0.050	Pentachloroanisole	0.100	Spinetoram	0.020
Isoxaflutole	0.050	Pentachlorobenzene (PCB)	0.100	Spinosad	0.050
Kresoxim-methyl	0.050	Pentachlorothiobenzene (PCTA)	0.100	Spirodiclofen	0.100
Ladofen	0.500	Perthiopyrad	0.020	Spiromesifen	0.050
Lenadi	0.100	Permethrin	0.050	Spirotetramat	0.050
Lindane (gammaBHC)	0.100	Pethane	0.100	Spiroxamine	0.020
Linuron	0.020	Phenmedipham	0.050	Sulfotep	0.050
Malaaxon	0.050	Phenthoate	0.050	Sulfoxaflo	0.050
Malathion	0.050	Phorate	0.050	Sulprofos	0.020
Mandipropamid	0.020	Phorate oxon	0.100	Tebuconazole	0.100
Mecarbam	0.020	Phorate Sulfone	0.050	Tebufenozide	0.020
Mepanipyrim	0.050	Phorate Sulfoxide	0.050	Tebuthiuron	0.020
Merphos	0.500	Phosalone	0.050	Tecnazene	0.100
Metalaxyl	0.050	Phosmet	0.100	Tefluthrin	0.100
Metalddehyde	0.050	Phosphamidn	0.050	Terbufos	0.020
Metconazole	0.100	Phoxim	0.050	Terbufos sulfone	0.050
Methacrifos	0.100	Piroxaden	0.020	Terbufos sulfoxide	0.050
Methamidophos	0.050	Piperonyl butoxide	0.050	Terbutylazine	0.020
Methidathion	0.050	Pirimicarb	0.020	Terbutryn	0.020
Methiocarb	0.050	Pirimiphos-methyl	0.050	Tetrachlorvinphos	0.050
Methiocarb sulfone	0.100	Pirimiphos-ethyl	0.020	Tetraconazole	0.050
Methiocarb sulfoxide	0.100	Pirimiphos methyl N-desethyl	0.100	Tetradifon	0.200
Methomyl	0.100	Pralbthrin	0.100	Tetramethrin	0.050
Methoxychlor	0.100	Prochloraz	0.020	Tetrasul	0.100
Methoxyfenozide	0.020	Procyimidone	0.100	Thiabendazole	0.100
Metobromuron	0.050	Prufenofos	0.100	Thiabendazole, 5-hydroxy	0.100
Metolachlor	0.100	Profluralin	0.100	Thiadoprid	0.050
Metolcarb	0.050	Promecarb	0.050	Thiamethoxam	0.100
Metrafenone	0.050	Prometon	0.100	Thiobencarb	0.050
Metribuzin	0.100	Prometryn	0.020	Thiodicarb	0.050
Mevinphos	0.100	Propachlor	0.020	Thiophanate-methyl	0.050



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PIXIS Labs
Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ(mg/ kg)	Compound	LOQ(mg/ kg)	Compound	LOQ(mg/ kg)
Tolclofos-methyl	0.100	Triazophos	0.020	Trifloxystrobin	0.020
Triforin	0.100	Tolyfluanid	0.050	Triticonazole	0.050
Tralkoxydim	0.100	Triphane	0.500	Vinclozolin	0.100
Triadimefon	0.050	Triflumizide	0.020	Zoxamide	0.020
Triallate	0.100	Trifluralin	0.100		

LOQ=Limit of Quantitation, mg/kg

Factors affecting the LOQ include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.



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Laboratory Terpene Quality Control Results

EPA5035				Batch ID: 1906964					
Method Blank				Laboratory Control Sample					
Analyte	Result	Blank	Notes	Result	LCS Spike	Units	LCS% Rec	Limits	Notes
a-pinene	ND	< 200		453	500	µg/g	90.7	70 - 130	
Camphene	ND	< 200		435	500	µg/g	87.0	70 - 130	
Sabinene	ND	< 200		445	500	µg/g	88.9	70 - 130	
b-Pinene	ND	< 200		449	500	µg/g	89.9	70 - 130	
b-Myrcene	ND	< 200		444	500	µg/g	88.8	70 - 130	
a-phellandrene	ND	< 200		481	500	µg/g	96.3	70 - 130	
d-3-Carene	ND	< 200		422	500	µg/g	84.5	70 - 130	
a-Terpinene	ND	< 200		439	500	µg/g	87.9	70 - 130	
p-Cymene	ND	< 200		443	500	µg/g	88.6	70 - 130	
D-Limonene	ND	< 200		444	500	µg/g	88.7	70 - 130	
Eucalyptol	ND	< 200		421	500	µg/g	84.2	70 - 130	
b-cis-Camene	ND	< 66.7		131	167	µg/g	78.8	70 - 130	
b-trans-Camene	ND	< 133		309	333	µg/g	92.6	70 - 130	
g-Terpinene	ND	< 200		451	500	µg/g	90.2	70 - 130	
Sabinene_Hydrate	ND	< 200		442	500	µg/g	88.4	70 - 130	
Terpinolene	ND	< 200		442	500	µg/g	88.4	70 - 130	
D-Fenchone	ND	< 200		436	500	µg/g	87.1	70 - 130	
Linalool	ND	< 200		441	500	µg/g	88.1	70 - 130	
Fenchol	ND	< 200		428	500	µg/g	85.5	70 - 130	
Camphor	ND	< 200		428	500	µg/g	85.7	70 - 130	
Isopulego	ND	< 200		430	500	µg/g	85.9	70 - 130	
Isoborneol	ND	< 200		441	500	µg/g	88.2	70 - 130	
Borneol	ND	< 200		441	500	µg/g	88.1	70 - 130	
DL-Menthol	ND	< 200		439	500	µg/g	87.7	70 - 130	
Terpineol	ND	< 200		426	500	µg/g	85.1	70 - 130	
Nerol	ND	< 200		468	500	µg/g	93.6	70 - 130	
Pulegone	ND	< 200		414	500	µg/g	82.9	70 - 130	
Geraniol	ND	< 200		467	500	µg/g	93.4	70 - 130	
Geranyl_Acetate	ND	< 200		428	500	µg/g	85.7	70 - 130	
a-Cedrene	ND	< 200		427	500	µg/g	85.4	70 - 130	
b-Caryophyllene	ND	< 200		496	500	µg/g	99.2	70 - 130	
a-Humulene	ND	< 200		447	500	µg/g	89.3	70 - 130	
Valene	ND	< 200		488	500	µg/g	97.6	70 - 130	
cis-Nerolidol	ND	< 200		463	500	µg/g	92.7	70 - 130	
a-Farnesene	ND	< 200		564	500	µg/g	112.8	70 - 130	
trans-Nerolidol	ND	< 200		426	500	µg/g	85.2	70 - 130	
Caryophyllene_Oxide	ND	< 200		465	500	µg/g	93.0	70 - 130	
Guaiol	ND	< 200		418	500	µg/g	83.6	70 - 130	
Cedrol	ND	< 200		431	500	µg/g	86.1	70 - 130	
a-Bisabolol	ND	< 200		427	500	µg/g	85.3	70 - 130	



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Sample/Sample Duplicate		Sample ID: 19-009100-0002						
Analyte	Result	Org. Result	LOQ	Units	RPD, %	Sample Duplicate	% Limits	Notes
a-pinene	ND	NC	200	µg/g	0	< 20	80 - 120	
Camphene	ND	NC	200	µg/g	0	< 20	80 - 120	
Sabinene	ND	NC	200	µg/g	0	< 20	80 - 120	
b-Pinene	ND	NC	200	µg/g	0	< 20	80 - 120	
b-Myrcene	1032	1057	200	µg/g	1.2C	< 20	80 - 120	
a-phellandrene	ND	NC	200	µg/g	0	< 20	80 - 120	
d-3-Carene	ND	NC	200	µg/g	0	< 20	80 - 120	
a-Terpinene	ND	NC	200	µg/g	0	< 20	80 - 120	
p-Cymene	ND	NC	200	µg/g	0	< 20	80 - 120	
D-Limonene	243.4	251.5	200	µg/g	1.64	< 20	80 - 120	
Eucalyptol	266.7	273.3	200	µg/g	1.2Z	< 20	80 - 120	
b-cis-OCimene	ND	NC	66.7	µg/g	0	< 20	80 - 120	
b-trans-OCimene	ND	NC	133	µg/g	0	< 20	80 - 120	
g-Terpinene	ND	NC	200	µg/g	0	< 20	80 - 120	
Sabinene_Hydrate	ND	NC	200	µg/g	0	< 20	80 - 120	
Terpinolene	ND	NC	200	µg/g	0	< 20	80 - 120	
D-Fenchone	ND	NC	200	µg/g	0	< 20	80 - 120	
Linalool	ND	NC	200	µg/g	0	< 20	80 - 120	
Fenchol	ND	NC	200	µg/g	0	< 20	80 - 120	
Camphor	ND	NC	200	µg/g	0	< 20	80 - 120	
Isopulego	ND	NC	200	µg/g	0	< 20	80 - 120	
Isoborneol	290.9	297.3	200	µg/g	1.0E	< 20	80 - 120	
Borneol	ND	NC	200	µg/g	0	< 20	80 - 120	
DL-Menthol	1739	1793	200	µg/g	1.5E	< 20	80 - 120	
Terpineol	ND	NC	200	µg/g	0	< 20	80 - 120	
Nerol	ND	NC	200	µg/g	0	< 20	80 - 120	
Pulegone	ND	NC	200	µg/g	0	< 20	80 - 120	
Geraniol	ND	NC	200	µg/g	0	< 20	80 - 120	
Geranyl_Acetate	ND	NC	200	µg/g	0	< 20	80 - 120	
a-Cedrene	ND	NC	200	µg/g	0	< 20	80 - 120	
b-Caryophyllene	1633	1684	200	µg/g	1.54	< 20	80 - 120	
a-Humulene	1064	1101	200	µg/g	1.71	< 20	80 - 120	
Valenene	ND	NC	200	µg/g	0	< 20	80 - 120	
cis-Nerolidol	ND	NC	200	µg/g	0	< 20	80 - 120	
a-Farnesene	ND	NC	200	µg/g	0	< 20	80 - 120	
trans-Nerolidol	ND	NC	200	µg/g	0	< 20	80 - 120	
Caryophyllene_Oxide	ND	NC	200	µg/g	0	< 20	80 - 120	
Guaiol	ND	NC	200	µg/g	0	< 20	80 - 120	
Cedrol	ND	NC	200	µg/g	0	< 20	80 - 120	
a-Bisabolol	ND	NC	200	µg/g	0	< 20	80 - 120	



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Laboratory Quality Control Results

JAOAC2015 V98-6							
Batch ID: 1907032							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDA	0.00998	0.01	%	99.8	85 - 115	Acceptable	
CBDA	0.0104	0.01	%	104	85 - 115	Acceptable	
CBDA	0.00867	0.01	%	86.7	85 - 115	Acceptable	
CBDA	0.00978	0.01	%	97.8	85 - 115	Acceptable	
CBDA	0.0107	0.01	%	107	85 - 115	Acceptable	
CBDA	0.00952	0.01	%	95.2	85 - 115	Acceptable	
THCV	0.0101	0.01	%	101	85 - 115	Acceptable	
THCVA	0.00977	0.01	%	97.7	85 - 115	Acceptable	
CBN	0.00952	0.01	%	95.2	85 - 115	Acceptable	
THC	0.00866	0.01	%	86.6	85 - 115	Acceptable	
DBTHC	0.0100	0.01	%	100	85 - 115	Acceptable	
CBL	0.00966	0.01	%	96.6	85 - 115	Acceptable	
CBG	0.0106	0.01	%	106	85 - 115	Acceptable	
THCA	0.00874	0.01	%	87.4	85 - 115	Acceptable	
CBGA	0.0102	0.01	%	102	85 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	ND	0.003	%	< 0.003	Acceptable	
CBDA	ND	0.003	%	< 0.003	Acceptable	
CBDA	ND	0.003	%	< 0.003	Acceptable	
CBDA	ND	0.003	%	< 0.003	Acceptable	
CBDA	ND	0.003	%	< 0.003	Acceptable	
THCV	ND	0.003	%	< 0.003	Acceptable	
THCVA	ND	0.003	%	< 0.003	Acceptable	
CBN	ND	0.003	%	< 0.003	Acceptable	
THC	ND	0.003	%	< 0.003	Acceptable	
DBTHC	ND	0.003	%	< 0.003	Acceptable	
CBL	ND	0.003	%	< 0.003	Acceptable	
CBG	ND	0.003	%	< 0.003	Acceptable	
THCA	ND	0.003	%	< 0.003	Acceptable	
CBGA	ND	0.003	%	< 0.003	Acceptable	

Abbreviations

- ND - None Detected at or above MRL
- FPD - Relative Percent Difference
- LOQ - Limit of Quantitation

Units of Measure:

% - Percent



This report cannot be used for ODA, OHA or OLCC compliance requirements.

JAOAC2015 V986		Batch ID: 1907032						
Sample Duplicate		Sample ID: 19-009024-0001						
Analyte	Result	Org. Result	LOQ	Units	FPD	Limits	Evaluation	Notes
CBDA	ND	ND	0.003	%	0	< 20	Acceptable	
CBV	ND	ND	0.003	%	0	< 20	Acceptable	
CBDA	0.0327	0.0332	0.003	%	1.52	< 20	Acceptable	
CBGA	0.00326	0.00334	0.003	%	2.42	< 20	Acceptable	
CBG	0.0514	0.0522	0.003	%	1.54	< 20	Acceptable	
CB	0.286	0.292	0.003	%	2.08	< 20	Acceptable	
THCV	0.00609	0.00621	0.003	%	1.95	< 20	Acceptable	
THCVA	ND	ND	0.003	%	0	< 20	Acceptable	
CBN	ND	ND	0.003	%	0	< 20	Acceptable	
THC	1.00	0.969	0.003	%	3.15	< 20	Acceptable	
DBTHC	ND	ND	0.003	%	0	< 20	Acceptable	
CB	ND	ND	0.003	%	0	< 20	Acceptable	
CB	0.0452	0.0459	0.003	%	1.54	< 20	Acceptable	
THCA	0.0135	0.0138	0.003	%	2.20	< 20	Acceptable	
CBDA	ND	ND	0.003	%	0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
FPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.