



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

Product identity: Tincture 500mg
Laboratory ID: 19-009164-0001

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

Summary

Potency:

Analyte per 28.35g	Result	Limits	Units	LOQ	
CBD per 28.35g	553		mg/28.35g	0.94	CBD-Total per 28.35g 553 mg/28.35g
					THC-Total per 28.35g < 1.775 mg/28.3
					(Reported in milligrams per serving)

Microbiology:

Less than LOQ for all analytes.



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Customer: Crescent Distributions
4505 Magazine St.
Product identity: Tincture 500mg
Client/Metric ID: .
Sample Date: 07/25/19 12:00
Laboratory ID: 19-009164-0001
Relinquished by: Received By Mail
Temp: 26.1 °C
Serving Size #1: 28.35 g

Sample Results

Potency per 28.35g		Batch: 1907032					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
CBC-A per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
CBC-Total per 28.35g [†]	< LOQ		mg/28.35g	1.77	08/05/19	J AOAC 2015 V98-6	
CBD per 28.35g	553		mg/28.35g	0.945	08/14/19	J AOAC 2015 V98-6	
CBD-A per 28.35g	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
CBD-Total per 28.35g	553		mg/28.35g	1.77	08/14/19	J AOAC 2015 V98-6	
CBDV per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
CBDV-A per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
CBDV-Total per 28.35g [†]	< LOQ		mg/28.35g	1.76	08/05/19	J AOAC 2015 V98-6	
CBG per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
CBG-A per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
CBG-Total per 28.35g [†]	< LOQ		mg/28.35g	1.77	08/05/19	J AOAC 2015 V98-6	
CBL per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
CBN per 28.35g	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
Δ8-THC per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
Δ9-THC per 28.35g	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
THC-A per 28.35g	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
THC-Total per 28.35g	< LOQ		mg/28.35g	1.77	08/05/19	J AOAC 2015 V98-6	
THCV per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
THCV-A per 28.35g [†]	< LOQ		mg/28.35g	0.945	08/05/19	J AOAC 2015 V98-6	
THCV-Total per 28.35g [†]	< LOQ		mg/28.35g	1.76	08/05/19	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	1906928	08/04/19	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ		cfu/g	10	1906928	08/04/19	AOAC 991.14 (Petrifilm)	
Mold	< LOQ		cfu/g	10	1906927	08/04/19	AOAC 2014.05 (RAPID)	
Yeast	< LOQ		cfu/g	10	1906927	08/04/19	AOAC 2014.05 (RAPID)	



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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/28.35g = Milligram per 28.35g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Abamectin	0.100	CIPC	1.000	Endrin	0.100
Acephate	0.100	Clethodim	0.050	EPN	0.050
Acequinocyl	0.100	Clethodim Sulfone	0.050	EPTC	0.100
Acetamiprid	0.020	Clethodim Sulfoxide	0.050	Esfenvalerate/Fenvalerate	0.200
Acetochlor	0.100	Clofentezine	0.020	Etaconazole	0.100
Acifluorfen	0.100	Clomazone	0.020	Ethalfuralin	0.100
Acrinathrin	0.100	Clothianidin	0.200	Ethiofencarb	0.050
Alachlor	0.100	Coumaphos	0.050	Ethion	0.200
Aldicarb	0.100	Crotoxyphos	0.020	Ethirimol	0.100
Aldicarb sulfoxide	0.100	Cyanazine	0.020	Ethofumesate	0.050
Aldoxycarb (Aldicarb-sulfone)	0.100	Cyanofenphos	0.020	Ethoprophos	0.020
Aldrin	0.100	Cyantraniliprole	0.050	Etofenprox	0.020
Ametoctradin	0.020	Cyazofamid	0.020	Etoxazole	0.020
Ametryn	0.500	Cycloate	0.100	Etridiazole	0.100
Aspon	0.100	Cyfluthrin	0.200	Etrimfos	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	Dacthal	0.100	Fenamiphos sulfone	0.020
Azoxystrobin	0.020	Daminozide	0.100	Fenamiphos sulfoxide	0.020
Benalaxyl	0.020	DCPMU	0.050	Fenazaquin	0.100
Bendiocarb	0.020	DDD, o,p'-	0.100	Fenbuconazole	0.100
Benfluralin	0.100	DDD, p,p'-	0.100	Fenchlorphos	0.100
Benoxacor	0.050	DDE, o,p'-	0.100	Fenchlorphos-oxon	0.100
Bensulide	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	DEF (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	Fensulfothion	0.020
Bromophos-methyl	0.200	Diazoxon	0.100	Fensulfothion oxon	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfothion sulfone	0.100
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfothion-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
Carbendazim	0.100	Dimethenamid	0.050	Flonicamid	0.100
Carbofuran	0.020	Dimethoate	0.050	Fluchloralin	0.100
Carbophenothion	0.100	Dimethomorph	0.020	Flucythrinate	0.100
Carbophenothion-methyl	0.100	Diniconazole	0.200	Fludioxonil	0.200
Carboxin	0.020	Dinotefuran	0.200	Flufenacet	0.020
Carfentrazone-ethyl	0.100	Dioxathion	0.100	Flumioxazin	0.100
Chlorantraniliprole	0.020	Diphenamid	0.020	Fluometuron	0.020
Chlordane, cis-	0.200	Diphenylamine	0.100	Fluopicolide	0.050
Chlordane, trans-	0.200	Disulfoton	0.100	Fluopyram	0.020
Chlorfenapyr	0.500	Disulfoton sulfone	0.100	Fluoxastrobin	0.050
Chlorfenfos	0.200	Disulfoton sulfoxide	0.100	Flupyradifurone	0.020
Chlorfenvinphos	0.050	Diuron	0.050	Fluridone	0.100
Chlorobenzilate	0.100	Edifenphos	0.050	Flusilazole	0.020
Chloroneb	0.200	Endosulfan alpha	0.200	Flutolanil	0.020
Chlorpyrifos	0.050	Endosulfan beta	0.200	Flutriafol	0.020
Chlorpyrifos-methyl	0.200	Endosulfan sulfate	0.100	Fluvalinate, tau-	0.100
				Fluxapyroxad	0.020



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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	Propoxycarbazono Na	0.050
Hexaconazole	0.100	Neburon	0.020	Propyzamide	0.050
Hexazinone	0.100	Nitrapyrin	0.100	Prothiofos	0.100
Hexythiazox	0.020	Norflurazon	0.050	Pyraclostrobin	0.020
Imazalil	0.100	Omethoate	0.100	Pyrazophos	0.050
Imidacloprid	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	Oxamyl-oxime	0.100	Pyridate	0.020
Iprobenfos	0.100	Oxychlorthane	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	Pacllobutrazol	0.050	Pyroxulam	0.020
Isodrin	0.100	Paraoxon-ethyl	0.020	Quinalphos	0.050
Isofenphos	0.050	Paraoxon methyl	0.100	Quinoxyfen	0.050
Isofenphos-methyl	0.020	Parathion ethyl	0.100	Quintozene (PCNB)	0.200
Isofenphos oxon	0.050	Parathion methyl	0.200	Resmethrin	0.050
Isoprocarb	0.020	Penconazole	0.050	Rotenone	0.050
Isopropalin	0.200	Pendimethalin	0.050	S421	0.100
Isoprothiolane	0.050	Penflufen	0.020	Simazine	0.100
Isoproturon	0.050	Pentachloroaniline	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	Pentachlorothioanisole (PCTA)	0.100	Spirodiclofen	0.100
Lactofen	0.500	Penthiopyrad	0.020	Spiromesifen	0.050
Lenacil	0.100	Permethrin	0.050	Spirotetramat	0.050
Lindane (gamma BHC)	0.100	Perthane	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
Metaldehyde	0.050	Phosphamidon	0.050	Terbufos	0.020
Metconazole	0.100	Phoxim	0.050	Terbufos sulfone	0.050
Methacrifos	0.100	Pinoxaden	0.020	Terbufos sulfoxide	0.050
Methamidophos	0.050	Piperonyl butoxide	0.050	Terbuthylazine	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
Methylomyl	0.100	Prallethrin	0.100	Tetramethrin	0.050
Methoxychlor	0.100	Prochloraz	0.020	Tetrasul	0.100
Methoxyfenozide	0.020	Procymidone	0.100	Thiabendazole	0.100
Metobromuron	0.050	Profenofos	0.100	Thiabendazole, 5-hydroxy	0.100
Metolachlor	0.100	Profluralin	0.100	Thiacloprid	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	Tridiphane	0.500	Vinclozolin	0.100
Triadimefon	0.050	Triflumizole	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 Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1907032**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00998	0.01	%	99.8	85 - 115	Acceptable	
CBDV	0.0104	0.01	%	104	85 - 115	Acceptable	
CBD-A	0.00867	0.01	%	86.7	85 - 115	Acceptable	
CBG-A	0.00978	0.01	%	97.8	85 - 115	Acceptable	
CBG	0.0107	0.01	%	107	85 - 115	Acceptable	
CBD	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	
D8THC	0.0100	0.01	%	100	85 - 115	Acceptable	
CBL	0.00966	0.01	%	96.6	85 - 115	Acceptable	
CBC	0.0106	0.01	%	106	85 - 115	Acceptable	
THCA	0.00874	0.01	%	87.4	85 - 115	Acceptable	
CBCA	0.0102	0.01	%	102	85 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	ND	0.003	%	< 0.003	Acceptable	
CBDV	ND	0.003	%	< 0.003	Acceptable	
CBD-A	ND	0.003	%	< 0.003	Acceptable	
CBG-A	ND	0.003	%	< 0.003	Acceptable	
CBG	ND	0.003	%	< 0.003	Acceptable	
CBD	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	
D8THC	ND	0.003	%	< 0.003	Acceptable	
CBL	ND	0.003	%	< 0.003	Acceptable	
CBC	ND	0.003	%	< 0.003	Acceptable	
THCA	ND	0.003	%	< 0.003	Acceptable	
CBCA	ND	0.003	%	< 0.003	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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J AOAC 2015 V98-6		Batch ID: 1907032						
Sample Duplicate		Sample ID: 19-009024-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	ND	ND	0.003	%	0	< 20	Acceptable	
CBD-A	0.0327	0.0332	0.003	%	1.52	< 20	Acceptable	
CBG-A	0.00326	0.00334	0.003	%	2.42	< 20	Acceptable	
CBG	0.0514	0.0522	0.003	%	1.54	< 20	Acceptable	
CBD	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	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	0.0452	0.0459	0.003	%	1.54	< 20	Acceptable	
THCA	0.0135	0.0138	0.003	%	2.20	< 20	Acceptable	
CBCA	ND	ND	0.003	%	0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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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.