



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



Report Number: 24-008148/D004.R000
Report Date: 08/09/2024
ORELAP#: OR100028
Purchase Order:
Received: 07/26/24 11:59

Customer: NW Natural Goods
Product identity: BEV - BB 024207-1
Client/Metric ID: .
Laboratory ID: 24-008148-0001

Summary

Potency:

Analyte per 355ml	Result	Limits	Units	Status	
CBC per 355ml	0.391		mg/355ml		CBD-Total per Serving Size 52.5 mg/355ml
CBD per 355ml	52.5		mg/355ml		
CBG per 355ml	1.31		mg/355ml		Delta-9-THC-Total per <LOQ
					(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile	< LOQ for all analytes		

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: NW Natural Goods
Product identity: BEV - BB 024207-1
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-008148-0001
Evidence of Cooling: No
Temp: 17.6 °C
Relinquished by: BR
Serving Size #1: 362.1 g
Density: 1.020 g/ml

Sample Results

Potency per 355ml	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2406048	Analyze: 8/8/24 5:24:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 355ml	0.391		mg/355ml	0.355	
CBC-A per 355ml	< LOQ		mg/355ml	0.355	
CBC-Total per 355ml	< LOQ		mg/355ml	0.666	
CBD per 355ml	52.5		mg/355ml	0.355	
CBD-A per 355ml ¹	< LOQ		mg/355ml	0.355	
CBD-Total per 355ml ¹	52.5		mg/355ml	0.666	
CBDV per 355ml	< LOQ		mg/355ml	0.355	
CBDV-A per 355ml	< LOQ		mg/355ml	0.355	
CBDV-Total per 355ml	< LOQ		mg/355ml	0.662	
CBE per 355ml	< LOQ		mg/355ml	0.355	
CBG per 355ml	1.31		mg/355ml	0.355	
CBG-A per 355ml	< LOQ		mg/355ml	0.355	
CBG-Total per 355ml	1.31		mg/355ml	0.662	
CBL per 355ml	< LOQ		mg/355ml	0.355	
CBL-A per 355ml	< LOQ		mg/355ml	0.355	
CBL-Total per 355ml	< LOQ		mg/355ml	0.666	
CBN per 355ml	< LOQ		mg/355ml	0.355	
CBT per 355ml	< LOQ		mg/355ml	0.355	
Δ10-THC-9R per 355ml	< LOQ		mg/355ml	0.355	
Δ10-THC-9S per 355ml	< LOQ		mg/355ml	0.355	
Δ10-THC-Total per 355ml	< LOQ		mg/355ml	0.709	
Δ8-THC per 355ml ¹	< LOQ		mg/355ml	0.355	
Δ8-THCV per 355ml	< LOQ		mg/355ml	0.355	
Δ9-THC per 355ml ¹	< LOQ		mg/355ml	0.355	
Δ9-THC-Total per 355ml	< LOQ		mg/355ml	0.666	
Δ9-THCP per 355ml	< LOQ		mg/355ml	0.355	
Δ9-THCV per 355ml	< LOQ		mg/355ml	0.355	
Δ9-THCV-A per 355ml	< LOQ		mg/355ml	0.355	
Δ9-THCV-Total per 355ml	< LOQ		mg/355ml	0.666	
exo-THC per 355ml	< LOQ		mg/355ml	0.355	
THC-A per 355ml ¹	< LOQ		mg/355ml	0.356	



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Potency per 355ml	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2406048	Analyze: 8/8/24 5:24:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids per 355ml	54.2		mg/355ml		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2405690	07/29/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2405688	07/29/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2405688	07/29/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2405689	07/30/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2405689	07/30/24 AOAC 2014.05 (RAPID)		

Solvents	Method: Residual Solvents by HS-GC-MS ^b					Units µg/g	Batch 2405786	Analyze 07/31/24 03:20 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	
1,4-Dioxane ¹	< LOQ	380	100	pass		2-Butanol ¹	< LOQ	5000	200	pass		
2-Ethoxyethanol ¹	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane) ¹	< LOQ		200			
2-Methylpentane ¹	< LOQ		30.0			2-Propanol (IPA) ¹	< LOQ	5000	200	pass		
2,2-Dimethylbutane ¹	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane) ¹	< LOQ		200			
2,3-Dimethylbutane ¹	< LOQ		30.0			3-Methylpentane ¹	< LOQ		30.0			
Acetone ¹	< LOQ	5000	200	pass		Acetonitrile ¹	< LOQ	410	100	pass		
Benzene ¹	< LOQ	2.00	1.00	pass		Butanes (sum) ¹	< LOQ	5000	400	pass		
Cyclohexane ¹	< LOQ	3880	200	pass		Ethyl acetate ¹	< LOQ	5000	200	pass		
Ethyl benzene	< LOQ		200			Ethyl ether ¹	< LOQ	5000	200	pass		
Ethylene glycol ¹	< LOQ	620	200	pass		Ethylene oxide ¹	< LOQ	50.0	20.0	pass		
Hexanes (sum) ¹	< LOQ	290	150	pass		Isopropyl acetate ¹	< LOQ	5000	200	pass		
Isopropylbenzene (Cumene) ¹	< LOQ	70.0	30.0	pass		m,p-Xylene ¹	< LOQ		200			
Methanol ¹	< LOQ	3000	200	pass		Methylene chloride ¹	< LOQ	600	60.0	pass		
Methylpropane (Isobutane) ¹	< LOQ		200			n-Butane ¹	< LOQ		200			
n-Heptane ¹	< LOQ	5000	200	pass		n-Hexane ¹	< LOQ		30.0			
n-Pentane ¹	< LOQ		200			o-Xylene ¹	< LOQ		200			
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass		
Tetrahydrofuran ¹	< LOQ	720	100	pass		Toluene ¹	< LOQ	890	100	pass		
Total Xylenes ¹	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass		

Pesticides	Method: AOAC 2007.01 & EN 15662 (mod)		Units mg/kg	Batch 2405809	Analyze 08/02/24 10:42 AM
Analyte	Result	Limits	Status	Notes	
Multi-Residue Pesticide Profile	< LOQ for all analytes				



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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic ^L	< LOQ	0.200	mg/kg	0.00364	2405791	07/31/24 AOAC 2013.06 (mod.) ^P	pass	
Cadmium ^L	< LOQ	0.200	mg/kg	0.00364	2405791	07/31/24 AOAC 2013.06 (mod.) ^P	pass	
Lead ^L	< LOQ	0.500	mg/kg	0.00364	2405791	07/31/24 AOAC 2013.06 (mod.) ^P	pass	
Mercury ^L	< LOQ	0.100	mg/kg	0.00182	2405791	07/31/24 AOAC 2013.06 (mod.) ^P	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 ^L	< LOQ		µg/kg	5.00	2405759	07/31/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin B2 ^L	< LOQ		µg/kg	5.00	2405759	07/31/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G1 ^L	< LOQ		µg/kg	5.00	2405759	07/31/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G2 ^L	< LOQ		µg/kg	5.00	2405759	07/31/24 AOAC 2007.01 & EN 15662 (mod)		
Ochratoxin A ^L	< LOQ	20.0	µg/kg	5.00	2405759	07/31/24 AOAC 2007.01 & EN 15662 (mod)	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		08/02/24 AOAC 2007.01 & EN 15662 (mod) ^P	pass	



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

⊥ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

g/ml = Gram per milliliter

µg/g = Microgram per gram

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

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

mg/355ml = Milligram per 355ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Hemp & Cannabis
Chain of Custody

NW-Natural-Goods-
1721943657

Company Details		Project Details			Testing					
Company: NW Natural Goods		Turnaround Time: <u>5 Business Days</u> Req. For Micro Testing Standard			MFD - Micro Pro ile D	H0042 - A. atoxine+Ochratoxin CLCC	H0008 - Residual Solvents (Cannabis - Oregon)	H0010 - Potency Cannabis (Basic+Expanded)	H0013 - Cannabis Heavy Metals Profile OR	P2320 - Multi-Residue Pesticide Profile (Cannabis)
[Redacted]		Relinquishment Sampling, Courier & Shipping Options: <u>Pick-Up Courier Service</u>								
[Redacted]		Compliance: <u>Compliance</u>								
[Redacted]		Pick-Up Details								
[Redacted]		Pick-Up Location Name: <u>NW Natural Goods</u>								
[Redacted]		[Redacted]								
[Redacted]		Receipt Information								
[Redacted]		Prelog Storage: <u>Canna Shelves</u>								
[Redacted]		Sample Condition: <u>Satisfactory</u>								
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size					
1	BEV- BB 024207-1	Cannabinoid Beverage	4g	mg/g & mg/serving	362.1each	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
JOE MANGAN	07/25/2024	14:40	Temp., °C	BR	07/26/2024	10:19	25.00	No
BR	07/26/2024	10:56	17.60	det	07/26/2024	11:59	17.60	No

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
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Portland, OR 97230

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P2320 Multi-Residue Pesticide Profile
 Cannabis

Analyte	LOQ (mg/kg)
2,4-D	0.1
Abamectin	0.1
Acephate	0.2
Acequinocyl	0.2
Acetamiprid	0.1
Acetochlor	0.2
Acrinathrin	0.1
Alachlor	0.1
Aldicarb	0.1
Aldoxycarb	0.1
Aldrin	0.1
Ametoctradin	0.1
Ametryn	0.1
Anilazine	0.1
Aspon	0.1
Asulam	0.1
Atrazine	0.1
Atrazine-desethyl	0.1
Azinphos-ethyl	0.1
Azinphos-methyl	0.1
Azoxystrobin	0.1
Benalaxyl	0.1
Bendiocarb	0.1
Benoxacor	0.1
Bensulide	0.1
Bentazon	0.1
Bifenazate	0.1
Bifenox	0.1
Bifenthrin	0.1
Binapacryl	0.1
Boscalid	0.1
Bromacil	0.1
Bromophos-ethyl	0.1
Bromopropylate	0.1
Bromoxynil	0.1
Bupirimate	0.1
Buprofezin	0.1
Butachlor	0.1
Butylate	0.1
Cadusafos	0.1
Captan	0.2
Carbaryl	0.1
Carbendazim	0.1
Carbofuran	0.1
Carbofuran 3-hydroxy	0.1
Carbophenothion	0.1
Carbophenothion-methyl	0.1
Carboxin	0.1

Analyte	LOQ (mg/kg)
Chlorantraniliprol	0.1
Chlordane, cis-	0.1
Chlordane, trans-	0.1
Chlorfenapyr	0.1
Chlorfenvinphos	0.1
Chlorobenzilate	0.1
Chlorpyrifos-ethyl	0.1
Chlorpyrifos-methyl	0.1
Chlorthal-dimethyl (Dacthal)	0.1
Clethodim	0.1
Clethodim sulfone	0.1
Clethodim sulfoxide	0.1
Clofentezine	0.1
Clomazone	0.1
Clopyralid	0.1
Clothianidin	0.1
Coumaphos	0.1
Crotoxyphos	0.1
Cyanofenphos	0.1
Cyanophos	0.1
Cyantraniliprole	0.1
Cyazofamid	0.1
Cyfluthrin	0.1
Cyhalothrin, lambda	0.1
Cymoxanil	0.1
Cypermethrin	0.1
Cyprodinil	0.1
DDD, o,p'-	0.1
DDD, p,p'-	0.1
DDE, o,p'-	0.1
DDE, p,p'-	0.1
DDT, o,p'-	0.1
DDT, p,p'-	0.1
DEET	0.1
Deltamethrin	0.1
Demeton-S	0.1
Demeton-s-methyl	0.1
Demeton-S-methyl-sulfone	0.1
Desmedipham	0.1
Diazinon	0.1
Dicamba	0.1
Dichlofenthiol	0.1
Dichlofluanid	0.1
Dichlorbenzamid	0.1
Dichlorvos	0.1
Diclofop	0.1
Diclofop-methyl	0.1
Dicrotophos	0.1

Analyte	LOQ (mg/kg)
Dieldrin	0.1
Diethofencarb	0.1
Difenoconazol	0.1
Diffubenzuron	0.1
Diffufenzopyr	0.1
Dimethenamid	0.1
Dimethoat	0.1
Dimethomorph	0.1
Dinoseb	0.1
Dinotefuran	0.1
Dioxathion	0.1
Diphenamid	0.1
Diphenylamine (DPA)	0.1
Disulfoton	0.1
Disulfoton-sulfone	0.1
Disulfoton-Sulfoxide	0.1
Diuron	0.1
DNOC	0.1
Edifenphos	0.1
Endosulfan (alpha isomer)	0.1
Endosulfan (beta isomer)	0.1
Endosulfan-sulfate	0.1
Endrin	0.1
EPN	0.1
EPTC	0.1
Esfenvalerate/Fenvalerate	0.1
Ethiofencarb	0.1
Ethion	0.1
Ethofumesate	0.1
Ethoprophos	0.1
Etofenprox	0.1
Etoazole	0.1
Etrimfos	0.1
Famoxadone	0.1
Famphur	0.1
Fenamiphos	0.1
Fenamiphos-Sulfone	0.1
Fenamiphos-Sulfoxide	0.1
Fenazaquin	0.1
Fenbuconazole	0.1
Fenhexamid	0.1
Fenobucarb	0.1
Fenoxycarb	0.1
Fenpropathrin	0.1
Fensulfothion	0.1
Fenthion	0.1
Fenuron	0.1
Fipronil	0.1

LOQ= Limit of Quantitation
 mg/kg= milligram per kilogram (ppm)

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Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



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P2320 Multi-Residue Pesticide Profile
 Cannabis

Analyte	LOQ (mg/kg)
Flonicamid	0.1
Fluazifop	0.1
Fluazinam	0.1
Flucythrinate	0.1
Fludioxonil	0.1
Flufenacet	0.1
Flumioxazin	0.1
Fluopicolide	0.1
Fluopyram	0.1
Fluoxastrobin	0.1
Flupyradifurone	0.1
Fluridone	0.1
Fluroxypyr	0.1
Fluthiacet-methyl	0.1
Flutolanil	0.1
Flutriafol	0.1
Fluvalinate	0.1
Fluxapyroxad	0.1
Fomesafen	0.1
Formetanate	0.1
Furathiocarb	0.1
Haloxypop	0.1
Heptachlor	0.1
Heptachlor epoxide	0.1
Hexaconazole	0.1
Hexazinone	0.1
Hexythiazox	0.1
Hydropene	0.1
Imazalil	0.1
Imazethapyr	0.1
Imidacloprid	0.1
Indaziflam	0.1
Indoxacarb	0.1
Iprobenfos	0.1
Iprodion	0.1
Isobenzan	0.1
Isofenphos	0.1
Isofenphos-methyl	0.1
Isofenphos-oxon	0.1
Isoprocab	0.1
Isoprothiolane	0.1
Isoproturon	0.1
Isoxaben	0.1
Kresoxim-methyl	0.1
Lindane	0.1
Linuron	0.1
Malaoxon	0.1
Malathion	0.1

Analyte	LOQ (mg/kg)
Mandipropamid	0.1
MCPA	0.1
MCPB	0.1
MCCP	0.1
Mecabam	0.1
Mepanipirim	0.1
Mesotrione	0.1
Metalaxyl	0.1
Methamidophos	0.1
Methiocarb	0.1
Methiocarb sulfone	0.1
Methiocarb sulfoxide	0.1
Methomyl	0.1
Methoxyfenozide	0.1
Metolachlor	0.1
Metolcarb	0.1
Metrafenone	0.1
Mevinphos	0.1
MGK 264	0.1
Molinate	0.1
Monocrotophos	0.1
Monolinuron	0.1
Myclobutanil	0.1
Naled	0.1
Napropamide	0.1
Neburon	0.1
Norflurazon	0.1
Novaluron	0.1
Omethoat	0.1
Oryzalin	0.1
Oxadiazon	0.1
Oxadixyl	0.1
Oxamyl	0.1
Oxamyl-oxime	0.1
Oxychlorane	0.1
Oxydemeton-Methyl	0.1
Oxyfluorfen	0.1
Paclbutrazol	0.1
Paraoxon-ethyl	0.1
Paraoxon-methyl	0.1
Parathion-methyl	0.1
Penconazole	0.1
Pendimethalin	0.1
Penflufen	0.1
Penthiopyrad	0.1
Permethrin	0.1
Perthane	0.1
Phenmedipham	0.1

Analyte	LOQ (mg/kg)
Phenothrin	0.1
Phenthoate	0.1
Phorate	0.1
Phorate-Sulfone	0.1
Phorate-Sulfoxide	0.1
Phosalone	0.1
Phosmet	0.1
Phosphamidon	0.1
Phoxim	0.1
Pinoxaden	0.1
Piperonyl Butoxide	0.1
Pirimicarb	0.1
Pirimiphos-ethyl	0.1
Pirimiphos-methyl	0.1
Prallethrin	0.1
Prochloraz	0.1
Procymidone	0.1
Profenofos	0.1
Promecarb	0.1
Prometon	0.1
Prometryn	0.1
Propachlor	0.1
Propamocarb	0.1
Propanil	0.1
Propazine	0.1
Propetamophos	0.1
Propham	0.1
Propiconazole	0.1
Propoxur	0.1
Propyzamide	0.1
Prothiofos	0.1
Pyraclostrobin	0.1
Pyraflufen Ethyl	0.1
Pyrazophos	0.1
Pyrethrin	0.1
Pyridaben	0.1
Pyrimethanil	0.1
Pyriproxifen	0.1
Pyroxasulfone	0.1
Pyroxsulam	0.1
Quinalphos	0.1
Quinclorac	0.1
Quinoxifen	0.1
Quintozene(PCNB)	0.2
Quizalofop	0.1
Resmethrin	0.1
Rotenone	0.1
Saflufenacil	0.1

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P2320 Multi-Residue Pesticide Profile
 Cannabis

Analyte	LOQ (mg/kg)
Sebuthylazin	0.1
Sethoxydim	0.1
Simazine	0.1
Simetryn	0.1
Spinetoram J/L	0.1
Spinosyn A/D	0.1
Spirodiclofen	0.1
Spiromesifen	0.1
Spirotetramat	0.1
Spiroxamine	0.1
Sulfentrazone	0.1
Sulfotep	0.1
Sulfoxafflor	0.1
Sulprofos	0.1
Tebuconazole	0.1
Tebufenozide	0.1
Terbufos	0.1
Terbuthylazine	0.1
Terbutryn	0.1
Tetrachlorvinphos	0.1
Tetraconazole	0.1
Tetramethrin	0.1
Thiabendazol	0.1
Thiabendazol-5-hydroxy	0.1
Thiacloprid	0.1
Thiamethoxam	0.1
Thiobencarb	0.1
Thiodicarb	0.1
Thiometon	0.1
Thiophanate-methyl	0.2
Tolfenpyrad	0.1
Tolyfluanid	0.1
Triadimefon	0.1
Triadimenol	0.1
Triazophos	0.1
Trifloxystrobin	0.1
Triflumizole	0.1
Triticonazole	0.1
Zoxamid	0.1

LOQ= Limit of Quantitation
 mg/kg= milligram per kilogram (ppm)



12423 NE Whitaker Way
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503-254-1794



Report Number: 24-008148/D004.R000
Report Date: 08/09/2024
ORELAP#: OR100028
Purchase Order:
Received: 07/26/24 11:59

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2405786			
Method Blank				Laboratory Control Sample			
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec. Limits Notes
Propane	ND	< 200		487	584	µg/g	83.4 60 - 120
Isobutane	ND	< 200		582	767	µg/g	75.9 60 - 120
Butane	ND	< 200		592	782	µg/g	75.7 60 - 120
2,2-Dimethylpropane	ND	< 200		705	939	µg/g	75.1 60 - 120
Methanol	ND	< 200		1320	1600	µg/g	82.5 60 - 120
Ethylene Oxide	ND	< 30		47.9	57.1	µg/g	83.9 60 - 120
2-Methylbutane	ND	< 200		1260	1620	µg/g	77.8 60 - 120
Pertane	ND	< 200		1210	1610	µg/g	75.2 60 - 120
Ethanol	ND	< 200		1150	1600	µg/g	71.9 70 - 130
Ethyl Ether	ND	< 200		1200	1610	µg/g	74.5 60 - 120
2,2-Dimethylbutane	ND	< 30		131	190	µg/g	68.9 60 - 120
Acetone	ND	< 200		1220	1610	µg/g	75.8 60 - 120
2-Propanol	ND	< 200		1180	1610	µg/g	73.3 60 - 120
Ethyl Formate	ND	< 500		996	1630	µg/g	61.1 70 - 130 Q6
Acetonitrile	ND	< 100		353	486	µg/g	72.6 60 - 120
Methyl Acetate	ND	< 500		1090	1610	µg/g	67.7 70 - 130 Q6
2,3-Dimethylbutane	ND	< 30		119	163	µg/g	73.0 60 - 120
Dichloromethane	ND	< 60		369	482	µg/g	76.6 60 - 120
2-Methylpentane	ND	< 30		129	178	µg/g	72.5 60 - 120
MTBE	ND	< 500		1030	1610	µg/g	64.0 70 - 130 Q6
3-Methylpentane	ND	< 30		347	490	µg/g	70.8 60 - 120
Hexane	ND	< 30		124	175	µg/g	70.9 60 - 120
1-Propanol	ND	< 500		1190	1610	µg/g	73.9 70 - 130
Methylethylketone	ND	< 500		1050	1610	µg/g	65.2 70 - 130 Q6
Ethyl acetate	ND	< 200		1180	1600	µg/g	73.8 60 - 120
2-Butanol	ND	< 200		1170	1610	µg/g	72.7 60 - 120
Tetrahydrofuran	ND	< 100		371	504	µg/g	73.6 60 - 120
Cyclohexane	ND	< 200		1220	1620	µg/g	75.3 60 - 120
2-methyl-1-propanol	ND	< 500		1130	1610	µg/g	70.2 70 - 130
Benzene	ND	< 1		3.71	5.08	µg/g	73.0 60 - 120
Isopropyl Acetate	ND	< 200		1420	1610	µg/g	88.2 60 - 120
Heptane	ND	< 200		1400	1610	µg/g	87.0 60 - 120
1-Butanol	ND	< 500		1240	1610	µg/g	77.0 70 - 130
Propyl Acetate	ND	< 500		1410	1610	µg/g	87.6 70 - 130
1,4-Dioxane	ND	< 100		368	488	µg/g	75.4 60 - 120
2-Ethoxyethanol	ND	< 30		143	163	µg/g	87.7 60 - 120
Methylisobutylketone	ND	< 500		1400	1620	µg/g	86.4 70 - 130
3-Methyl-1-butanol	ND	< 500		1240	1610	µg/g	77.0 70 - 130
Ethylene Glycol	ND	< 200		375	488	µg/g	76.8 60 - 120
Toluene	ND	< 100		365	492	µg/g	74.2 60 - 120
Isobutyl Acetate	ND	< 500		1360	1620	µg/g	84.0 70 - 130
1-Pentanol	ND	< 500		1320	1610	µg/g	82.0 70 - 130
Butyl Acetate	ND	< 500		1410	1650	µg/g	85.5 70 - 130
Ethylbenzene	ND	< 200		696	969	µg/g	71.8 60 - 120
m,p-Xylene	ND	< 200		677	981	µg/g	69.0 60 - 120
o-Xylene	ND	< 200		777	966	µg/g	80.4 60 - 120
Cumene	ND	< 30		144	167	µg/g	86.2 60 - 120
Anisole	ND	< 500		1430	1610	µg/g	88.8 70 - 130
DMSO	ND	< 500		1420	1610	µg/g	88.2 70 - 130
1,2-dimethoxyethane	ND	< 50		142	170	µg/g	83.5 70 - 130
Triethylamine	ND	< 500		1170	1620	µg/g	72.2 70 - 130
N,N-dimethylformamide	ND	< 150		377	499	µg/g	75.6 70 - 130
N,N-dimethylacetamide	ND	< 150		377	489	µg/g	77.1 70 - 130
Pyridine	ND	< 50		113	167	µg/g	67.7 70 - 130 Q6
Sulfolane	ND	< 50		112	169	µg/g	66.3 70 - 130 Q6
1,2-Dichloroethane	ND	< 1		0.807	1	µg/g	80.7 70 - 130
Chloroform	ND	< 1		0.686	1	µg/g	68.6 70 - 130 Q6
Trichloroethylene	ND	< 1		0.769	1	µg/g	76.9 70 - 130
1,1-Dichloroethane	ND	< 1		0.614	1	µg/g	61.4 70 - 130 Q6



QC- Sample Duplicate

Sample ID: 24-007850-0001-01

Analyte	Result	Org. Result	LOQ Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30 µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Pertane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60 µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100 µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500 µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500 µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Sulfone	ND	ND	50 µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1 µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1 µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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Revision: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2405805

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0009	0.0010	%	98.4	80.0 - 120	Acceptable	
CBDV	2	0.0010	0.00103	%	96.9	80.0 - 120	Acceptable	
CBE	2	0.00101	0.00103	%	97.8	80.0 - 120	Acceptable	
CBDA	1	0.0009	0.0009	%	98.9	90.0 - 110	Acceptable	
CBGA	1	0.0009	0.0009	%	98.6	80.0 - 120	Acceptable	
CBG	1	0.00109	0.00111	%	98.6	80.0 - 120	Acceptable	
CBD	1	0.00106	0.00107	%	99.1	90.0 - 110	Acceptable	
THCV	2	0.0009	0.0009	%	98.6	80.0 - 120	Acceptable	
d8THCV	2	0.0009	0.0010	%	98.4	80.0 - 120	Acceptable	
THCVA	2	0.0009	0.0010	%	98.0	80.0 - 120	Acceptable	
CBN	1	0.00102	0.00102	%	100	80.0 - 120	Acceptable	
exo-THC	2	0.0009	0.0010	%	98.2	80.0 - 120	Acceptable	
d9THC	1	0.00109	0.00104	%	105	90.0 - 110	Acceptable	
d8THC	1	0.0009	0.0009	%	97.1	90.0 - 110	Acceptable	
9S-d10THC	1	0.0010	0.0010	%	99.6	80.0 - 120	Acceptable	
CBL	2	0.00102	0.0010	%	102	80.0 - 120	Acceptable	
9R-d10THC	1	0.0009	0.0010	%	98.4	80.0 - 120	Acceptable	
CBC	2	0.0010	0.00104	%	96.4	80.0 - 120	Acceptable	
THCA	1	0.0009	0.0009	%	97.2	90.0 - 110	Acceptable	
CBCA	2	0.0010	0.0010	%	98.0	80.0 - 120	Acceptable	
CBLA	2	0.0010	0.00101	%	97.1	80.0 - 120	Acceptable	
d9THCP	2	0.0010	0.0010	%	99.9	80.0 - 120	Acceptable	
CBT	2	0.0010	0.00102	%	97.8	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBDV	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBE	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBDA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBGA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBG	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBD	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCV	<LOQ	0.0001	%	< 0.0001	Acceptable	
d8THCV	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCVA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBN	<LOQ	0.0001	%	< 0.0001	Acceptable	
exo-THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
d9THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
d8THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
9S-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBL	<LOQ	0.0001	%	< 0.0001	Acceptable	
9R-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBC	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBCA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBLA	<LOQ	0.0001	%	< 0.0001	Acceptable	
d9THCP	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBT	<LOQ	0.0001	%	< 0.0001	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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Laboratory Quality Control Results

AOAC 2015 V98-6		Batch ID: 2405805						
Sample Duplicate		Sample ID: 24-008148-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBG	0.0004	0.0004	0.0001	%	0.496	< 20	Acceptable	
CBD	0.0146	0.0145	0.0001	%	0.493	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBC	0.0001	0.0001	0.0001	%	1.18	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.0001	%	NA	< 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	Quantitation 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.