



CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results

PRODUCT	Live Resin CBD	BATCH#	WC-10252101	LOQ: Limit of Quantification		
SKU	1.0-LR-CBD-BD-DISPO-VC	SERVING SIZE	1.0g	LOD: Limit of Detection		
LABORATORY	Columbia Laboratory	ACCREDITATION	OR1000028	1g = 1000 mg = 100,000 ug		
			1 mg/kg = 1ppm = 1000 ppb			
CANNABINOID	PERCENTAGE	MG/SERVING	HEAVY METALS	PER/SERVING	ACTION LEVEL	
CBD (Cannabidiol)	66.2	662.00	Arsenic	LOQ	10 ug/day *	
CBDA	5.02	50.20	Cadmium	LOQ	4.1 ug/day *	
CBE (Cannabielsoin)	4.33	43.30	Lead	LOQ	3.5 ug/day **	
CBC (Cannabichromene)	2.3	23.00	Mercury	LOQ	2 ug/day *	
CBT (Cannabicitran)	1.41	14.10	RESIDUAL SOLVENTS	RESULTS	ACTION LEVEL	
CBN (Cannabinol)	1.26	12.60		All analytes less than LOQ	PASS	---
CBG (Cannabigerol)	0.263	2.63				
CBCA	0.386	3.86				
CBDV	0.339	3.39				
THCA	0.145	1.45				
CBL	0.11	1.10				
TOTAL Cannabinoids	81.763	817.63				
PESTICIDES	RESULT	LIMIT	MICROBIOLOGY	RESULTS	ACTION LEVEL	
Ethofumesate	0.13	---	All analytes less than LOQ	PASS	---	
Ethoprophos	0.026					
PRODUCT PHOTO(S)						



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

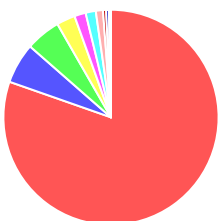


Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

Customer: Woodstock Hemp Co.
Product identity: Live Resin CBD Batch #WC-10252101
Client/Metric ID: .
Laboratory ID: 21-013090-0002

Summary

Potency:

Analyte	Result (%)		- CBD - CBD-A - CBE - CBC - CBT - CBN - CBG - CBC-A - CBDV - THC-A - CBL
CBD	66.2		
CBD-A	5.02		
CBE†	4.33		
CBC	2.30		
CBT†	1.41		
CBN	1.26		
CBG†	0.889		
CBC-A†	0.386		
CBDV†	0.339		
THC-A	0.145		
CBL†	0.110		
		CBD-Total 70.6% THC-Total <LOQ (Reported in percent of total sample)	

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Ethofumesate†	0.13		
Ethoprophos†	0.026		

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

Customer: Woodstock Hemp Co.

Product identity: Live Resin CBD Batch #WC-10252101

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-013090-0002

Evidence of Cooling: No

Temp: 20.3 °C

Relinquished by: Client

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2110151	Analyze: 11/10/21 6:38:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	2.30		0.0867			
CBC-A†	0.386		0.0867			
CBC-Total†	2.64		0.163			
CBD	66.2		0.867			
CBD-A	5.02		0.0867			
CBD-Total	70.6		0.943			
CBDV†	0.339		0.0867			
CBDV-A†	< LOQ		0.0867			
CBDV-Total†	0.339		0.162			
CBE†	4.33		0.0867			
CBG†	0.889		0.0867			
CBG-A†	< LOQ		0.0867			
CBG-Total	0.889		0.162			
CBL†	0.110		0.0867			
CBL-A†	< LOQ		0.0867			
CBL-Total†	< LOQ		0.163			
CBN	1.26		0.0867			
CBT†	1.41		0.0867			
Δ8-THC†	< LOQ		0.0867			
Δ8-THCV	< LOQ		0.0867			
Δ9-THC	< LOQ		0.0867			
THC-A	0.145		0.0867			
THC-Total	< LOQ		0.163			
THCV†	< LOQ		0.0867			
THCV-A†	< LOQ		0.0867			
THCV-Total†	< LOQ		0.162			
Total Cannabinoids†	82.4					



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2110038	11/09/21	AOAC 991.14 (Petrifilm)		X, I
Total Coliforms	< LOQ		cfu/g	10	2110038	11/09/21	AOAC 991.14 (Petrifilm)		X, I
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2110039	11/09/21	AOAC 2014.05 (RAPID)		X, I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2110039	11/09/21	AOAC 2014.05 (RAPID)		X, I

Solvents	Method	Residual Solvents by GC/MS				Units µg/g	Batch	2110148				Analyze	11/10/21 01:32 PM	
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 (Isopentane)	< LOQ		200					
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass				
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< 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	20.0	pass				
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass				
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200					
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass				
Methylpropane (Isobutane)	< 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 benzene	< LOQ	2170	600	pass				

Pesticides	Method AOAC 2007.01 & EN 15662 (mod)					Units mg/kg	Batch 2110143	Analyze 11/11/21 02:25 PM				
All compounds on the attached sheet were found to be <LOQ except those listed												
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	
Ethofumesate†	0.13		0.050			Ethoprophos†	0.026		0.020			

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0415	2110108	11/09/21	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0415	2110108	11/09/21	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0415	2110108	11/09/21	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0207	2110108	11/09/21	AOAC 2013.06 (mod.)	pass	X



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

These test results are representative of the individual sample selected and submitted by the client.

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.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35



Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Abamectin	0.100	Clethodim	0.050	Endrin	0.100
Acephate	0.100	Clethodim Sulfone	0.050	EPN	0.050
Acequinocyl	0.100	Clethodim Sulfoxide	0.050	EPTC	0.100
Acetamiprid	0.020	Clofentazine	0.020	Esfenvalerate/Fenvalerate	0.200
Acetochlor	0.100	Clomazone	0.020	Etaconazole	0.100
Acrinathrin	0.100	Clothianidin	0.200	Ethalfuralin	0.100
Alachlor	0.100	Coumaphos	0.050	Ethiofencarb	0.050
Aldicarb	0.100	Crotoxyphos	0.020	Ethion	0.200
Aldicarb sulfoxide	0.100	Cyanazine	0.020	Ethirimol	0.100
Aldoxycarb (Aldicarb-sulfone)	0.100	Cyanofenphos	0.020	Ethofumesate	0.050
Aldrin	0.100	Cyantraniliprole	0.050	Ethoprophos	0.020
Ametocrtadin	0.020	Cyazofamid	0.020	Etofenprox	0.020
Ametryn	0.500	Cycloate	0.100	Etioazole	0.020
Aspon	0.100	Cyfluthrin	0.200	Etridiazole	0.100
Asulam	0.100	Cyhalothrin, lambda	0.200	Etrimfos	0.020
Atrazine	0.100	Cymoxanil	0.050	Famoxadone	0.200
Atrazine-desethyl	0.100	Cypermethrin	0.200	Famphur	0.100
Azinphos-ethyl	0.020	Cyprodinil	0.100	Fenamidone	0.020
Azinphos-methyl	0.020	Dacthal	0.100	Fenamiphos	0.020
Azoxystrobin	0.020	Daminozide	0.100	Fenamiphos sulfone	0.020
Benalaxyl	0.020	DCPMU	0.050	Fenamiphos sulfoxide	0.020
Bendiocarb	0.020	DDD, o,p'-	0.100	Fenazaquin	0.100
Benfluralin	0.100	DDD, p,p'-	0.100	Fenbuconazole	0.100
Benoxacor	0.050	DDE, o,p'-	0.100	Fenchlorphos	0.100
Bensulide	0.050	DDE, p,p'-	0.100	Fenchlorphos-oxon	0.100
BHC alpha isomer	0.100	DDT, o,p'-	0.100	Fenhexamid	0.100
BHC beta isomer	0.100	DDT, p,p'-	0.100	Fenitrothion	0.100
BHC delta isomer	0.500	DEF (Tribufos)	0.100	Fenobucarb	0.050
Bifenazate	0.020	Deltamethrin	0.100	Fenoxycarb	0.020
Bifenthrin	0.020	Desmedipham	0.100	Fenpropathrin	0.050
Boscalid	0.020	Diallate	0.100	Fenpyroximate	0.020
Bromophos-ethyl	0.100	Diazinon	0.020	Fenson	0.100
Bromophos-methyl	0.200	Diazoxon	0.100	Fensulfothion	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfothion oxon	0.020
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfothion sulfone	0.100
Bupirimate	0.020	Dichlorvos	0.100	Fensulfothion-oxon-sulfone	0.020
Buprofezin	0.050	Diclobutrazol	0.050	Fenthion	0.050
Butachlor	0.500	Dicofol	0.100	Fenthion oxon	0.020
Butralin	0.200	Dicrotophos	0.050	Fenthion oxon sulfone	0.100
Butylate	0.100	Dieldrin	0.100	Fenthion sulfone	0.050
Cadusafos	0.020	Diethofencarb	0.020	Fenuron	0.020
Captan	1.000	Diethyltoluamide (DEET)	0.050	Fipronil	0.100
Carbaryl	0.050	Difenoconazole	0.100	Fonicamid	0.100
Carbendazim	0.100	Dimethenamid	0.050	Fluchloralin	0.100
Carbofuran	0.020	Dimethoate	0.050	Flucythrinate	0.100
Carbophenothion	0.200	Dimethomorph	0.050	Fludioxonil	0.200
Carboxin	0.020	Diniconazole	0.200	Flufenacet	0.020
Carfentrazone-ethyl	0.100	Dinotefuran	0.200	Flumioxazin	0.100
Chlorantraniliprole	0.020	Dioxathion	0.100	Flumeturon	0.020
Chlordane, cis-	0.200	Diphenamid	0.020	Fluopicolide	0.050
Chlordane, trans-	0.200	Diphenylamine	0.100	Fluopyram	0.020
Chlorfenapyr	0.500	Disulfoton	0.100	Fluoxastrobin	0.050
Chlorfenoson	0.200	Disulfoton sulfone	0.100	Flupyradifurone	0.020
Chlorfenvinphos	0.050	Disulfoton sulfoxide	0.100	Fluridone	0.100
Chlorobenzilate	0.100	Diuron	0.050	Flusilazole	0.020
Chloroneb	0.200	Edifenphos	0.050	Flutolanil	0.020
Chlorpyrifos	0.050	Endosulfan alpha	0.200	Flutrialol	0.020
Chlorpyrifos-methyl	0.200	Endosulfan beta	0.200	Fluvalinate, tau-	0.100
CIPC	1.000	Endosulfan sulfate	0.100	Fluxapyroxad	0.020



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35



Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Fomesafen	0.100	Mexacarb	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	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
Indaziflam	0.020	Oxadixyl	0.100	Pyridaben	0.020
Indoxacarb	0.020	Oxamyl	0.100	Pyridafol	0.100
Iprobenfos	0.100	Oxamyl-oxime	0.100	Pyridate	0.020
Iprodione	0.100	Oxychlorane	0.100	Pyrimethanil	0.050
Isobenzan	0.100	Oxydemeton-Methyl	0.100	Pyriproxifen	0.020
Isocarbophos	0.500	Oxythioquinox	0.200	Pyroxsulfone	0.020
Isodrin	0.100	Paclobutrazol	0.050	Pyroxsulam	0.020
Isfenphos	0.050	Paraaxon-ethyl	0.020	Quinalphos	0.050
Isfenphos-methyl	0.020	Paraaxon methyl	0.100	Quinoxifen	0.050
Isfenphos oxon	0.050	Parathion ethyl	0.100	Quintozene (PCNB)	0.200
Isoprocarb	0.020	Parathion methyl	0.200	Resmethrin	0.050
Isopropalin	0.200	Penconazole	0.050	Rotenone	0.050
Isoprothiolane	0.050	Pendimethalin	0.050	S421	0.100
Isoproturon	0.050	Penflufen	0.020	Simazine	0.100
Isoxaben	0.050	Pentachloroaniline	0.100	Simetryn	0.200
Isoxaflutole	0.050	Pentachloroanisole	0.100	Spinetoram	0.020
Kresoxim-methyl	0.050	Pentachlorobenzene (PCB)	0.100	Spinosad	0.050
Lactofen	0.500	Pentachlorothioanisole (PCTA)	0.100	Spirodiclofen	0.100
Lenacil	0.100	Penthiopyrad	0.020	Spiromesifen	0.050
Lindane (gamma BHC)	0.100	Permethrin	0.050	Spirotetramat	0.050
Linuron	0.020	Perthane	0.100	Spiroxamine	0.020
Malaoxon	0.050	Phenmedipham	0.050	Sulfotep	0.050
Malathion	0.050	Phenthoate	0.050	Sulfoxaflo	0.050
Mandipropamid	0.020	Phorate	0.050	Sulprofos	0.020
Mecarbam	0.020	Phorate Sulfone	0.050	Tebuconazole	0.100
Mepanipyrim	0.050	Phorate Sulfoxide	0.050	Tebufenozide	0.020
Merphos	0.500	Phosalone	0.050	Tebuthiuron	0.020
Metalaxyl	0.050	Phosmet	0.100	Tecnazene	0.100
Metaldehyde	0.050	Phosphamidon	0.050	Tefluthrin	0.100
Metconazole	0.100	Phoxim	0.050	Terbufos	0.020
Methacrifos	0.100	Pinoxaden	0.020	Terbufos sulfone	0.050
Methamidophos	0.050	Piperonyl butoxide	0.050	Terbufos sulfoxide	0.050
Methidathion	0.050	Pirimicarb	0.020	Terbutylazine	0.020
Methiocarb	0.050	Pirimiphos-methyl	0.050	Terbutryn	0.020
Methiocarb sulfone	0.100	Pirimiphos-ethyl	0.020	Tetrachlorvinphos	0.050
Methiocarb sulfoxide	0.100	Prallethrin	0.100	Tetraconazole	0.050
Methomyl	0.100	Prochloraz	0.020	Tetradifon	0.200
Methoxychlor	0.100	Procymidone	0.100	Tetramethrin	0.050
Methoxyfenozide	0.020	Profenofos	0.100	Tetrasul	0.100
Metobromuron	0.050	Profluralin	0.100	Thiabendazole	0.100
Metolachlor	0.100	Promecarb	0.050	Thiabendazole, 5-hydroxy	0.100
Metolcarb	0.050	Prometon	0.100	Thiacloprid	0.050
Metrafenone	0.050	Prometryn	0.020	Thiamethoxam	0.100
Metribuzin	0.100	Propachlor	0.020	Thiobencarb	0.050
Mevinphos	0.100			Thiodicarb	0.050
				Thiophanate-methyl	0.050



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35



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.



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35



Hemp / Cannabis Usable / Extract / Finished Products

Chain of Custody Record

Document Control ID: 2732 Revision: 1
Effective: 05/04/2021
ORELAP ID: OR100028

Company: <u>Woodstock Hemp Company</u> Contact: <u>Jason Peterson / Jerrod Peterson</u> Street: <u>23355 S Kamrath rd</u> City: <u>Oregon City</u> State: <u>OR</u> Zip: <u>97045</u> ☒ Email Results: _____ Ph: <u>(503) 4074500</u> ☐ Fx Results: () _____ Billing (if different): <u>14757 Glen Oaks rd</u> <u>Oregon City, OR 97045</u>				Analysis Requested										PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - ☐ METRC or ☐ Other: _____ Turnaround time: ☒ 5 Business Day Standard Turnaround ☐ 3 Business Day Rush Turnaround* ☐ 2 Business Day Rush Turnaround* <i>*Check for availability</i> Sampled by: _____			
Lab ID	Client Sample Identification	Date	Time	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:	Sample Type +	Weight (Units)	Comments/Metric ID
	{ Full Spectrum Delta 8 Batch # WC-08232105	11/05/21	3:35pm	X	X	X				X	X	X			C	30 ml	
	{ Live Resin CBD Batch # WC-10252101	11/05/21	3:35pm	X	X	X				X	X	X			C	30 ml	
	{ Delta 8 Batch # WC-10052101	11/05/21	3:35pm	X	X	X				X	X	X			C	30 ml	
Relinquished By: <u>[Signature]</u>				Date: <u>11/05/21</u>	Time: <u>3:35pm</u>	Received By: <u>BD</u>				Date: <u>11/5/21</u>	Time: <u>15:35</u>	Lab Use Only: ☐ Shipped Via: _____ or ☒ Client drop Evidence of cooling: ☐ Yes ☒ No - Temp (°C): <u>20.3</u> Sample in good condition: ☒ Yes ☐ No ☐ Cash ☐ Check ☐ CC ☐ Net: _____ Prelog storage: _____					

+ Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of service](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms
12423 NE Whitaker Way
P: (503) 254-1794 | Fax: (503) 254-1452
Page _____ of _____



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

Revision: Document ID:
Legacy ID: Effective:

Laboratory Quality Control Results									
Residual Solvents				Batch ID: 2110148					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		929	948	µg/g	98.0	70 - 130	
Isobutane	ND	< 200		1080	1260	µg/g	85.7	70 - 130	
Butane	ND	< 200		1070	1260	µg/g	84.9	70 - 130	
2,2-Dimethylpropane	ND	< 200		1650	1600	µg/g	103.1	70 - 130	
Methanol	ND	< 200		1830	1610	µg/g	113.7	70 - 130	
Ethylene Oxide	ND	< 30		94.9	95.7	µg/g	99.2	70 - 130	
2-Methylbutane	ND	< 200		1610	1610	µg/g	100.0	70 - 130	
Pentane	ND	< 200		1580	1610	µg/g	98.1	70 - 130	
Ethanol	ND	< 200		1790	1610	µg/g	111.2	70 - 130	
Ethyl Ether	ND	< 200		1640	1610	µg/g	101.9	70 - 130	
2,2-Dimethylbutane	ND	< 30		139	164	µg/g	84.8	70 - 130	
Acetone	ND	< 200		1600	1610	µg/g	99.4	70 - 130	
2-Propanol	ND	< 200		1570	1610	µg/g	97.5	70 - 130	
Acetonitrile	ND	< 100		405	484	µg/g	83.7	70 - 130	
2,3-Dimethylbutane	ND	< 30		161	167	µg/g	96.4	70 - 130	
Dichloromethane	ND	< 60		469	491	µg/g	95.5	70 - 130	
2-Methylpentane	ND	< 30		145	165	µg/g	87.9	70 - 130	
3-Methylpentane	ND	< 30		177	172	µg/g	102.9	70 - 130	
Hexane	ND	< 30		175	167	µg/g	104.8	70 - 130	
Ethyl acetate	ND	< 200		1660	1610	µg/g	103.1	70 - 130	
2-Butanol	ND	< 200		1610	1610	µg/g	100.0	70 - 130	
Tetrahydrofuran	ND	< 100		471	483	µg/g	97.5	70 - 130	
Cyclohexane	ND	< 200		1520	1610	µg/g	94.4	70 - 130	
Benzene	ND	< 1		4.73	5.36	µg/g	88.2	70 - 130	
Isopropyl Acetate	ND	< 200		1600	1620	µg/g	98.8	70 - 130	
Heptane	ND	< 200		1530	1610	µg/g	95.0	70 - 130	
1,4-Dioxane	ND	< 100		460	489	µg/g	94.1	70 - 130	
2-Ethoxyethanol	ND	< 30		169	167	µg/g	101.2	70 - 130	
Ethylene Glycol	ND	< 200		510	504	µg/g	101.2	70 - 130	
Toluene	ND	< 200		443	484	µg/g	91.5	70 - 130	
Ethylbenzene	ND	< 200		855	968	µg/g	88.3	70 - 130	
m,p-Xylene	ND	< 200		867	977	µg/g	88.7	70 - 130	
o-Xylene	ND	< 200		859	982	µg/g	87.5	70 - 130	
Cumene	ND	< 30		145	169	µg/g	85.8	70 - 130	



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

Revision: Document ID:
Legacy ID: Effective:

QC - Sample Duplicate				Sample ID: 21-013000-0001			
Analyte	Result	Org. Result	LOQ Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Isobutane	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Butane	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Methanol	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30 $\mu\text{g/g}$	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Pentane	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Ethanol	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Acetone	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100 $\mu\text{g/g}$	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60 $\mu\text{g/g}$	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30 $\mu\text{g/g}$	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Hexane	ND	ND	30 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Benzene	ND	ND	1 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Heptane	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100 $\mu\text{g/g}$	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Toluene	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200 $\mu\text{g/g}$	0.0	< 20	Acceptable	
Cumene	ND	ND	30 $\mu\text{g/g}$	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

$\mu\text{g/g}$ - Microgram per gram or ppm



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6

Batch ID: 2110151

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.200	0.2	%	99.9	85.0 - 115	Acceptable	
CBDV	0.207	0.2	%	104	85.0 - 115	Acceptable	
CBE	0.197	0.2	%	98.3	85.0 - 115	Acceptable	
CBD	0.195	0.2	%	97.4	85.0 - 115	Acceptable	
CBGA	0.200	0.2	%	100	85.0 - 115	Acceptable	
CBG	0.206	0.2	%	103	85.0 - 115	Acceptable	
CBD	0.207	0.2	%	104	85.0 - 115	Acceptable	
THCV	0.195	0.2	%	97.6	85.0 - 115	Acceptable	
d8THCV	0.192	0.2	%	95.8	85.0 - 115	Acceptable	
THCVA	0.197	0.2	%	98.3	85.0 - 115	Acceptable	
CBN	0.211	0.2	%	106	85.0 - 115	Acceptable	
exo-THC	0.185	0.2	%	92.6	85.0 - 115	Acceptable	
d9THC	0.202	0.2	%	101	85.0 - 115	Acceptable	
d8THC	0.203	0.2	%	102	85.0 - 115	Acceptable	
CBL	0.182	0.2	%	91.2	85.0 - 115	Acceptable	
CBC	0.211	0.2	%	106	85.0 - 115	Acceptable	
THCA	0.197	0.2	%	98.4	85.0 - 115	Acceptable	
CBCA	0.209	0.2	%	104	85.0 - 115	Acceptable	
CBLA	0.210	0.2	%	105	85.0 - 115	Acceptable	
CBT	0.211	0.2	%	106	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.01	%	< 0.01	Acceptable	
CBDV	<LOQ	0.01	%	< 0.01	Acceptable	
CBE	<LOQ	0.01	%	< 0.01	Acceptable	
CBD	<LOQ	0.01	%	< 0.01	Acceptable	
CBGA	<LOQ	0.01	%	< 0.01	Acceptable	
CBG	<LOQ	0.01	%	< 0.01	Acceptable	
CBD	<LOQ	0.01	%	< 0.01	Acceptable	
THCV	<LOQ	0.01	%	< 0.01	Acceptable	
d8THCV	<LOQ	0.01	%	< 0.01	Acceptable	
THCVA	<LOQ	0.01	%	< 0.01	Acceptable	
CBN	<LOQ	0.01	%	< 0.01	Acceptable	
exo-THC	<LOQ	0.01	%	< 0.01	Acceptable	
d9THC	<LOQ	0.01	%	< 0.01	Acceptable	
d8THC	<LOQ	0.01	%	< 0.01	Acceptable	
CBL	<LOQ	0.01	%	< 0.01	Acceptable	
CBC	<LOQ	0.01	%	< 0.01	Acceptable	
THCA	<LOQ	0.01	%	< 0.01	Acceptable	
CBCA	<LOQ	0.01	%	< 0.01	Acceptable	
CBLA	<LOQ	0.01	%	< 0.01	Acceptable	
CBT	<LOQ	0.01	%	< 0.01	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2110151						
Sample Duplicate		Sample ID: 21-013045-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	26.3	26.3	0.1	%	0.0200	< 20	Acceptable	
CBD	0.145	0.135	0.1	%	7.05	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
NA - Calculation Not Applicable given non-numerical results

Units of Measure:

% - Percent



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



Report Number: 21-013090/D003.R000
Report Date: 11/12/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/05/21 15:35

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.