



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



**Report Number:** 21-003879/D02.R00  
**Report Date:** 04/16/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/09/21 12:07

**Customer:** NW Natural Goods  
**Product identity:** HEMP - EB 0012  
**Client/Metric ID:** .  
**Laboratory ID:** 21-003879-0001

**Sample Date:** 04/09/21

### Summary

**Potency:**

Analyte per 4g	Result	Limits	Units	Status	
CBC per 4g†	0.197		mg/4g		CBD-Total per 4g 26.1 mg/4g
CBD per 4g	26.1		mg/4g		
CBG per 4g†	0.373		mg/4g		THC-Total per 4g <LOQ
CBN per 4g	4.32		mg/4g		(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:** HEMP - EB 0012  
**Client/Metric ID:** .  
**Sample Date:** 04/09/21  
**Laboratory ID:** 21-003879-0001  
**Evidence of Cooling:** No  
**Temp:** 18.5 °C  
**Serving Size #1:** 4 g

### Sample Results

Potency per 4g						Method J AOAC 2015 V98-6 (mod)Units mg/se	Batch: 2103331	Analyze: 4/13/21 7:21:00 PM
Analyte	Result	Limits	Units	LOQ	Notes			
CBC per 4g†	0.197		mg/4g	0.127				
CBC-A per 4g†	< LOQ		mg/4g	0.127				
CBC-Total per 4g†	< LOQ		mg/4g	0.238				
CBD per 4g	26.1		mg/4g	0.127				
CBD-A per 4g	< LOQ		mg/4g	0.127				
CBD-Total per 4g	26.1		mg/4g	0.238				
CBDV per 4g†	< LOQ		mg/4g	0.127				
CBDV-A per 4g†	< LOQ		mg/4g	0.127				
CBDV-Total per 4g†	< LOQ		mg/4g	0.236				
CBG per 4g†	0.373		mg/4g	0.127				
CBG-A per 4g†	< LOQ		mg/4g	0.127				
CBG-Total per 4g†	0.373		mg/4g	0.236				
CBL per 4g†	< LOQ		mg/4g	0.127				
CBL-Total per 4g†	< LOQ		mg/4g	75.2				
CBN per 4g	4.32		mg/4g	0.127				
Δ8-THC per 4g†	< LOQ		mg/4g	0.127				
Δ9-THC per 4g	< LOQ		mg/4g	0.127				
THC-A per 4g	< LOQ		mg/4g	0.127				
THC-Total per 4g	< LOQ		mg/4g	0.238				
THCV per 4g†	< LOQ		mg/4g	0.127				
THCV-A per 4g†	< LOQ		mg/4g	0.127				
THCV-Total per 4g†	< LOQ		mg/4g	0.238				

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2103187	04/11/21	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2103187	04/11/21	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2103188	04/11/21	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2103188	04/11/21	AOAC 2014.05 (RAPID)	X



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Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2103208	Analyze 04/12/21 09:05 AM			
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	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< 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	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane	< 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	< LOQ	2170	600	pass	

Pesticides		Method AOAC 2007.01 & EN 15662 (mod)			Units mg/kg	Batch 2103415	Analyze 04/16/21 02:40 PM			
Analyte	Result	Limits	Status	Notes						
Multi-Residue Pesticide Profile†	< LOQ for all analytes									

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.00729	2103374	04/14/21	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.00729	2103374	04/14/21	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.00729	2103374	04/14/21	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.00364	2103374	04/14/21	AOAC 2013.06 (mod.)	X	

Nutrition									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Moisture (Loss on Drying)	20.2		g/100g	0.10	2103329	04/13/21	AOAC 925.10 (mod.)	X	
Water Activity	0.750		Aw	0.030	2103299	04/13/21	AOAC 978.18	X	



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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

**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

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

mg/4g = Milligram per 4g

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager



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



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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)
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	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	Pyriproxyfen	0.020
Isocarbophos	0.500	Oxythioquinox	0.200	Pyroxasulfone	0.020
Isodrin	0.100	Paclobutrazol	0.050	Pyrosulam	0.020
Isofenphos	0.050	Paraoxon-ethyl	0.020	Quinalphos	0.050
Isofenphos-methyl	0.020	Paraoxon methyl	0.100	Quinoxyfen	0.050
Isofenphos 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
Malaaxon	0.050	Phenmedipham	0.050	Sulfotep	0.050
Malathion	0.050	Phenthoate	0.050	Sulfoxaflor	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



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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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**Cannabis Chain of Custody Record**

ORELAP ID: OR100028

Company: NW Natural Goods		Analysis Requested											Purchase Order Number:				
Contact: Isaac Velasquez		Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	OPEN MARKET			Project Number:
Address: 11791 SE HWY 212, Clackamas, OR 97015														Matrix	Weight	Serving size for edibles	Project Name:
Email: isaacv@nwnaturalgoods.com																	<input type="checkbox"/> Report Instructions:
Phone: 818-644-9479 Fax:																	<input checked="" type="checkbox"/> Send to State - METRC
Processor's License: 330-1058115IHH																	<input checked="" type="checkbox"/> Email Final Results:
		<input type="checkbox"/> Fax Final Results															
		<input type="checkbox"/> Cash/Check/CC/Net 30															
		Other:															
Field ID	Date/Time Collected																
1 HEMP - EB 0012	4/9/2021		X	X	X	X	X	X	X	X	X			edible	40g	4g	

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	Isaac Velasquez	4/09/2021	4:42	<i>[Signature]</i>	4.9.21	1015	Client Alias: Order Number: Proper Container Sample Condition Temperature: 18.5 C Shipped Via: Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)	<i>[Signature]</i>	4.9.21	1015	<i>[Signature]</i>	4.9.21	1207	
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 1.00 Control#: CF023  
Effective 11/8/2018 Revised 11/8/2018

[www.pixislabs.com](http://www.pixislabs.com)

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Laboratory Quality Control Results

Residual Solvents		Batch ID: 2103208										
Method Blank				Laboratory Control Sample								
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes			
Propane	ND	< 200		579	595	µg/g	97.3	70	-	130		
Isobutane	ND	< 200		741	761	µg/g	97.4	70	-	130		
Butane	ND	< 200		757	761	µg/g	99.5	70	-	130		
2,2-Dimethylpropane	ND	< 200		966	955	µg/g	101.2	70	-	130		
Methanol	ND	< 200		1890	1620	µg/g	116.7	70	-	130		
Ethylene Oxide	ND	< 30		55.4	58.3	µg/g	95.0	70	-	130		
2-Methylbutane	ND	< 200		1870	1620	µg/g	115.4	70	-	130		
Pentane	ND	< 200		1790	1610	µg/g	111.2	70	-	130		
Ethanol	ND	< 200		1610	1620	µg/g	99.4	70	-	130		
Ethyl Ether	ND	< 200		1640	1600	µg/g	102.5	70	-	130		
2,2-Dimethylbutane	ND	< 30		179	182	µg/g	98.4	70	-	130		
Acetone	ND	< 200		1820	1600	µg/g	113.8	70	-	130		
2-Propanol	ND	< 200		1750	1670	µg/g	104.8	70	-	130		
Acetonitrile	ND	< 100		506	490	µg/g	103.3	70	-	130		
2,3-Dimethylbutane	ND	< 30		174	165	µg/g	105.5	70	-	130		
Dichloromethane	ND	< 200		518	481	µg/g	107.7	70	-	130		
2-Methylpentane	ND	< 30		153	171	µg/g	89.5	70	-	130		
3-Methylpentane	ND	< 30		160	171	µg/g	93.6	70	-	130		
Hexane	ND	< 30		164	168	µg/g	97.6	70	-	130		
Ethyl acetate	ND	< 200		1740	1660	µg/g	104.8	70	-	130		
2-Butanol	ND	< 200		1640	1630	µg/g	100.6	70	-	130		
Tetrahydrofuran	ND	< 100		364	485	µg/g	75.1	70	-	130		
Cyclohexane	ND	< 200		1700	1610	µg/g	105.6	70	-	130		
Benzene	ND	< 1		5.48	5.64	µg/g	97.2	70	-	130		
Isopropyl Acetate	ND	< 200		1730	1610	µg/g	107.5	70	-	130		
Heptane	ND	< 200		1650	1610	µg/g	102.5	70	-	130		
1,4-Dioxane	ND	< 100		530	511	µg/g	103.7	70	-	130		
2-Ethoxyethanol	ND	< 30		181	168	µg/g	107.7	70	-	130		
Ethylene Glycol	ND	< 200		431	530	µg/g	81.3	70	-	130		
Toluene	ND	< 200		527	487	µg/g	108.2	70	-	130		
Ethylbenzene	ND	< 200		938	988	µg/g	94.9	70	-	130		
m,p-Xylene	ND	< 200		932	978	µg/g	95.3	70	-	130		
o-Xylene	ND	< 200		992	1040	µg/g	95.4	70	-	130		
Cumene	ND	< 30		163	177	µg/g	92.1	70	-	130		



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**Report Number:** 21-003879/D02.R00  
**Report Date:** 04/16/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/09/21 12:07

QC - Sample Duplicate Sample ID: 21-003683-0001

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	95.3	95.7	30	µg/g	0.4	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	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	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	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	
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	
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	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	200	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	

**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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**Report Number:** 21-003879/D02.R00  
**Report Date:** 04/16/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/09/21 12:07

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: 2103331						
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDV-A	0.0101	0.01	%	101	85.0	- 115	Acceptable	
CBDV	0.0103	0.01	%	103	85.0	- 115	Acceptable	
CBD-A	0.0107	0.01	%	107	85.0	- 115	Acceptable	
CBG-A	0.0102	0.01	%	102	85.0	- 115	Acceptable	
CBG	0.0104	0.01	%	104	85.0	- 115	Acceptable	
CBD	0.0105	0.01	%	105	85.0	- 115	Acceptable	
THCV	0.0106	0.01	%	106	85.0	- 115	Acceptable	
THCVA	0.00990	0.01	%	99.0	85.0	- 115	Acceptable	
CBN	0.0112	0.01	%	112	85.0	- 115	Acceptable	
THC	0.0114	0.01	%	114	85.0	- 115	Acceptable	
D8THC	0.00979	0.01	%	97.9	85.0	- 115	Acceptable	
CBL	0.0102	0.01	%	102	85.0	- 115	Acceptable	
CBC	0.0103	0.01	%	103	85.0	- 115	Acceptable	
THCA	0.0105	0.01	%	105	85.0	- 115	Acceptable	
CBCA	0.00980	0.01	%	98.0	85.0	- 115	Acceptable	

**Method Blank**

Analyte	Result	LOQ	Units	Limits		Evaluation	Notes
CBDV-A	<LOQ	0.003	%	< 0.003		Acceptable	
CBDV	<LOQ	0.003	%	< 0.003		Acceptable	
CBD-A	<LOQ	0.003	%	< 0.003		Acceptable	
CBG-A	<LOQ	0.003	%	< 0.003		Acceptable	
CBG	<LOQ	0.003	%	< 0.003		Acceptable	
CBD	<LOQ	0.003	%	< 0.003		Acceptable	
THCV	<LOQ	0.003	%	< 0.003		Acceptable	
THCVA	<LOQ	0.003	%	< 0.003		Acceptable	
CBN	<LOQ	0.003	%	< 0.003		Acceptable	
THC	<LOQ	0.003	%	< 0.003		Acceptable	
D8THC	<LOQ	0.003	%	< 0.003		Acceptable	
CBL	<LOQ	0.003	%	< 0.003		Acceptable	
CBC	<LOQ	0.003	%	< 0.003		Acceptable	
THCA	<LOQ	0.003	%	< 0.003		Acceptable	
CBCA	<LOQ	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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503-254-1794



**Report Number:** 21-003879/D02.R00  
**Report Date:** 04/16/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/09/21 12:07

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: 2103331						
Sample Duplicate		Sample ID: 21-003721-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	0.00393	0.003	%	NA	< 20	Acceptable	R2
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.637	0.734	0.003	%	14.1	< 20	Acceptable	
CBD	0.160	0.149	0.003	%	6.76	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	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
- R2 - Sample replicates RPD non-calculable, as only one replicate is within analytical range.

**Units of Measure:**

% - Percent



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**Report Number:** 21-003879/D02.R00  
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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.