



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



**Report Number:** 22-000153/D002.R000  
**Report Date:** 01/13/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/06/22 13:00

**Customer:** NW Natural Goods  
**Product identity:** HEMP - EB 0028  
**Client/Metric ID:** .  
**Laboratory ID:** 22-000153-0001

### Summary

#### Potency:

Analyte per 4g	Result	Limits	Units	Status	
CBD per 4g	25.0		mg/4g		CBD-Total per 4g 25.0 mg/4g
CBN per 4g	5.52		mg/4g		
CBT per 4g†	0.684		mg/4g		THC-Total per 4g <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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**Product identity:** HEMP - EB 0028

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-000153-0001

**Evidence of Cooling:** No

**Temp:** 18.5 °C

**Relinquished by:** Ramos

**Serving Size #1:** 4 g

### Sample Results

Potency per 4g	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2200169	Analyze: 1/8/22 7:03:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBC-A per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBC-Total per 4g <sup>†</sup>	< LOQ		mg/4g	0.246	
CBD per 4g	25.0		mg/4g	0.131	
CBD-A per 4g	< LOQ		mg/4g	0.131	
CBD-Total per 4g	25.0		mg/4g	0.246	
CBDV per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBDV-A per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBDV-Total per 4g <sup>†</sup>	< LOQ		mg/4g	0.245	
CBE per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBG per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBG-A per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBG-Total per 4g <sup>†</sup>	< LOQ		mg/4g	0.245	
CBL per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBL-A per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
CBL-Total per 4g <sup>†</sup>	< LOQ		mg/4g	0.246	
CBN per 4g	5.52		mg/4g	0.131	
CBT per 4g <sup>†</sup>	0.684		mg/4g	0.131	
Δ8-THCV per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
Δ8-THC per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
Δ9-THC per 4g	< LOQ		mg/4g	0.131	
exo-THC per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
THC-A per 4g	< LOQ		mg/4g	0.131	
THC-Total per 4g	< LOQ		mg/4g	0.246	
THCV per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
THCV-A per 4g <sup>†</sup>	< LOQ		mg/4g	0.131	
THCV-Total per 4g <sup>†</sup>	< LOQ		mg/4g	0.246	
Total Cannabinoids per 4g	31.2		mg/4g		



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**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2200126	01/09/22	AOAC 991.14 (Petrifilm)		X
Total Coliforms	< LOQ		cfu/g	10	2200126	01/09/22	AOAC 991.14 (Petrifilm)		X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2200127	01/10/22	AOAC 2014.05 (RAPID)		X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2200127	01/10/22	AOAC 2014.05 (RAPID)		X

**Solvents** Method Residual Solvents by GC/MS Units µg/g Batch 2200340 Analyze 01/13/22 03:53 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 2200231 Analyze 01/11/22 10:10 AM

Analyte	Result	Limits	Status	Notes
Multi-Residue Pesticide Profile†	< LOQ for all analytes			

**Metals**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.00854	2200292	01/12/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.00854	2200292	01/12/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.00854	2200292	01/12/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.00427	2200292	01/12/22	AOAC 2013.06 (mod.)	pass	X

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Moisture (Loss on Drying)	19.5		g/100g	0.10	2200253	01/10/22	AOAC 925.10 (mod.)		X
Water Activity	0.734		Aw	0.030	2200216	01/10/22	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, 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

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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**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	Clofentezine	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	Cyantranilprole	0.050	Ethoprophos	0.020
Ametoctradin	0.020	Cyazofamid	0.020	Etofenprox	0.020
Ametryn	0.500	Cycloate	0.100	Etoxazole	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	Fenclorphos	0.100
Bensulide	0.050	DDE, p,p'-	0.100	Fenclorphos-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	Fensulfthion	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfthion oxon	0.020
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfthion sulfone	0.100
Bupirimate	0.020	Dichlorvos	0.100	Fensulfthion-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
Chlorantranilprole	0.020	Dioxathion	0.100	Fluometuron	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
Chlorfenson	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	Flutriafol	0.020
Chlorpyrifos-methyl	0.200	Endosulfan beta	0.200	Fluvalinate, tau-	0.100
CIPC	1.000	Endosulfan sulfate	0.100	Fluxapyroxad	0.020



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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	Oxychlordan	0.100	Pyrimethanil	0.050
Isobenzan	0.100	Oxydemeton-Methyl	0.100	Pyriproxifen	0.020
Isocarbophos	0.500	Oxythioquinox	0.200	Pyroxasulfone	0.020
Isodrin	0.100	Pacllobutrazol	0.050	Pyroxsulam	0.020
Isfenphos	0.050	Paraoxon-ethyl	0.020	Quinalphos	0.050
Isfenphos-methyl	0.020	Paraoxon-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
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	Terbuthylazine	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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**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: <b>NW Natural Goods</b>		<b>Analysis Requested</b>										Purchase Order Number:																					
Contact: <b>Isaac Velasquez</b>		<table border="1"> <tr> <td colspan="10">OPEN MARKET</td> </tr> <tr> <td colspan="10" style="text-align: center; vertical-align: middle;">CLP 10</td> </tr> </table>										OPEN MARKET										CLP 10										Project Number:	
OPEN MARKET																																	
CLP 10																																	
Address: 11791 SE HWY 212, Clackamas, OR 97015												Project Name:																					
Email: isaacv@nwnaturalgoods.com												<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30																					
Phone: 818-644-9479 Fax:		Other:																															
Processor's License: <b>330-1058115IHH</b>		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	Matrix	Weight	Serving size for edibles	Comments/Metric ID																
Field ID	Date/Time Collected																																
HEMP - EB 0028	1/6/22	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	1/6/22	1020	<i>[Signature]</i>	1.6.22	1020	Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)	<i>[Signature]</i>	1.6.22	1105	AE	1/6/22	1300	Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 18.5
							Shipped Via:
							Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

**Report Number:** 22-000153/D002.R000  
**Report Date:** 01/13/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/06/22 13:00



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

Laboratory Quality Control Results

JAOAC2015 V98-6								
Batch ID: 2200169								
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.0101	0.01	%	101	85.0 - 115	Acceptable		
CBDV	0.00993	0.01	%	99.3	85.0 - 115	Acceptable		
CBE	0.0102	0.01	%	102	85.0 - 115	Acceptable		
CBDA	0.0109	0.01	%	109	85.0 - 115	Acceptable		
CBGA	0.0101	0.01	%	101	85.0 - 115	Acceptable		
CBG	0.00999	0.01	%	99.9	85.0 - 115	Acceptable		
CBD	0.0105	0.01	%	105	85.0 - 115	Acceptable		
THCV	0.00980	0.01	%	98.0	85.0 - 115	Acceptable		
d8THCV	0.0102	0.01	%	102	85.0 - 115	Acceptable		
THCVA	0.00975	0.01	%	97.5	85.0 - 115	Acceptable		
CBN	0.0102	0.01	%	102	85.0 - 115	Acceptable		
exo-THC	0.00990	0.01	%	99.0	85.0 - 115	Acceptable		
d9THC	0.0101	0.01	%	101	85.0 - 115	Acceptable		
d8THC	0.00922	0.01	%	92.2	85.0 - 115	Acceptable		
CBL	0.00876	0.01	%	87.6	85.0 - 115	Acceptable		
CBC	0.00939	0.01	%	93.9	85.0 - 115	Acceptable		
THCA	0.0104	0.01	%	104	85.0 - 115	Acceptable		
CBCA	0.0102	0.01	%	102	85.0 - 115	Acceptable		
CBLA	0.0102	0.01	%	102	85.0 - 115	Acceptable		
CBT	0.00860	0.01	%	86.0	85.0 - 115	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDVA	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBDV	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBE	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBDA	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBGA	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBG	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBD	<LOQ	0.0006	%	< 0.0006	Acceptable		
THCV	<LOQ	0.0006	%	< 0.0006	Acceptable		
d8THCV	<LOQ	0.0006	%	< 0.0006	Acceptable		
THCVA	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBN	<LOQ	0.0006	%	< 0.0006	Acceptable		
exo-THC	<LOQ	0.0006	%	< 0.0006	Acceptable		
d9THC	<LOQ	0.0006	%	< 0.0006	Acceptable		
d8THC	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBL	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBC	<LOQ	0.0006	%	< 0.0006	Acceptable		
THCA	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBCA	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBLA	<LOQ	0.0006	%	< 0.0006	Acceptable		
CBT	<LOQ	0.0006	%	< 0.0006	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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Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2200169						
Sample Duplicate		Sample ID: 22-000114-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.00390	0.00399	0.003	%	2.07	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.131	0.132	0.003	%	1.03	< 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	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<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

**Units of Measure:**

% - Percent



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**Report Number:** 22-000153/D002.R000  
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**Received:** 01/06/22 13:00

Revision: Document ID:  
Legacy ID: Effective:

Laboratory Quality Control Results									
Residual Solvents					Batch ID: 2200340				
Method Blank			Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		1330	1400	µg/g	95.0	70 - 130	
Isobutane	ND	< 200		1770	1780	µg/g	99.4	70 - 130	
Butane	ND	< 200		1780	1790	µg/g	99.4	70 - 130	
2,2-Dimethylpropane	ND	< 200		1970	2190	µg/g	90.0	70 - 130	
Methanol	ND	< 200		1450	1610	µg/g	90.1	70 - 130	
Ethylene Oxide	ND	< 30		138	141	µg/g	97.9	70 - 130	
2-Methylbutane	ND	< 200		1590	1630	µg/g	97.5	70 - 130	
Pentane	ND	< 200		1600	1610	µg/g	99.4	70 - 130	
Ethanol	ND	< 200		1580	1630	µg/g	96.9	70 - 130	
Ethyl Ether	ND	< 200		1600	1610	µg/g	99.4	70 - 130	
2,2-Dimethylbutane	ND	< 30		176	165	µg/g	106.7	70 - 130	
Acetone	ND	< 200		1590	1610	µg/g	98.8	70 - 130	
2-Propanol	ND	< 200		1530	1610	µg/g	95.0	70 - 130	
Acetonitrile	ND	< 100		543	498	µg/g	109.0	70 - 130	
2,3-Dimethylbutane	ND	< 30		159	162	µg/g	98.1	70 - 130	
Dichloromethane	ND	< 60		487	498	µg/g	97.8	70 - 130	
2-Methylpentane	ND	< 30		174	167	µg/g	104.2	70 - 130	
3-Methylpentane	ND	< 30		177	179	µg/g	98.9	70 - 130	
Hexane	ND	< 30		158	164	µg/g	96.3	70 - 130	
Ethyl acetate	ND	< 200		1540	1620	µg/g	95.1	70 - 130	
2-Butanol	ND	< 200		1530	1600	µg/g	95.6	70 - 130	
Tetrahydrofuran	ND	< 100		488	500	µg/g	97.6	70 - 130	
Cyclohexane	ND	< 200		1560	1610	µg/g	96.9	70 - 130	
Benzene	ND	< 1		5.77	5.62	µg/g	102.7	70 - 130	
Isopropyl Acetate	ND	< 200		1520	1610	µg/g	94.4	70 - 130	
Heptane	ND	< 200		1530	1610	µg/g	95.0	70 - 130	
1,4-Dioxane	ND	< 100		530	502	µg/g	105.6	70 - 130	
2-Ethoxyethanol	ND	< 30		130	164	µg/g	79.3	70 - 130	
Ethylene Glycol	ND	< 200		441	502	µg/g	87.8	70 - 130	
Toluene	ND	< 200		451	488	µg/g	92.4	70 - 130	
Ethylbenzene	ND	< 200		869	965	µg/g	90.1	70 - 130	
m,p-Xylene	ND	< 200		877	990	µg/g	88.6	70 - 130	
o-Xylene	ND	< 200		831	971	µg/g	85.6	70 - 130	
Cumene	ND	< 30		149	179	µg/g	83.2	70 - 130	
1,2-Dichloroethane	ND	< 1		1.03	1	µg/g	103.0	70 - 130	
Chloroform	ND	< 1		1.05	1	µg/g	105.0	70 - 130	
Trichloroethylene	ND	< 1		0.932	1	µg/g	93.2	70 - 130	



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**Report Date:** 01/13/2022  
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Revision: Document ID:  
 Legacy ID: Effective:

QC - Sample Duplicate Sample ID: 22-000142-0001

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	ND	ND	30	µg/g	0.0	< 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	60	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	288	286	200	µg/g	0.7	< 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	
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	

**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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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.