



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



**Report Number:** 24-006758/D001.R000  
**Report Date:** 06/27/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/20/24 11:58

**Customer:** NW Natural Goods  
**Product identity:** HEMP - PCH 0025  
**Client/Metric ID:** .  
**Laboratory ID:** 24-006758-0001

### Summary

**Potency:**

Analyte per 4g	Result	Limits	Units	Status	
CBC per 4g	10.0		mg/4g		CBD-Total per Serving Size 20.2 mg/4g
CBD per 4g	20.2		mg/4g		
CBG per 4g	0.492		mg/4g		Delta-9-THC-Total per <LOQ
CBT per 4g	0.948		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 - PCH 0025  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 24-006758-0001  
**Evidence of Cooling:** No  
**Temp:** 21.1  
**Relinquished by:** ramos  
**Serving Size #1:** 4 g

### Sample Results

Potency per 4g		Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>		Units mg/se Batch: 2404763		Analyze: 6/24/24 9:48:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 4g	10.0		mg/4g	0.126		
CBC-A per 4g	< LOQ		mg/4g	0.126		
CBC-Total per 4g	10.0		mg/4g	0.237		
CBD per 4g	20.2		mg/4g	0.126		
CBD-A per 4g <sup>1</sup>	< LOQ		mg/4g	0.126		
CBD-Total per 4g <sup>1</sup>	20.2		mg/4g	0.237		
CBDV per 4g	< LOQ		mg/4g	0.126		
CBDV-A per 4g	< LOQ		mg/4g	0.126		
CBDV-Total per 4g	< LOQ		mg/4g	0.236		
CBE per 4g	< LOQ		mg/4g	0.126		
CBG per 4g	0.492		mg/4g	0.126		
CBG-A per 4g	< LOQ		mg/4g	0.126		
CBG-Total per 4g	0.492		mg/4g	0.236		
CBL per 4g	< LOQ		mg/4g	0.126		
CBL-A per 4g	< LOQ		mg/4g	0.126		
CBL-Total per 4g	< LOQ		mg/4g	0.237		
CBN per 4g	< LOQ		mg/4g	0.126		
CBT per 4g	0.948		mg/4g	0.126		
Δ10-THC-9R per 4g	< LOQ		mg/4g	0.126		
Δ10-THC-9S per 4g	< LOQ		mg/4g	0.126		
Δ10-THC-Total per 4g	< LOQ		mg/4g	0.252		
Δ8-THC per 4g <sup>1</sup>	< LOQ		mg/4g	0.126		
Δ8-THCV per 4g	< LOQ		mg/4g	0.126		
Δ9-THC per 4g <sup>1</sup>	< LOQ		mg/4g	0.126		
Δ9-THC-Total per 4g	< LOQ		mg/4g	0.237		
Δ9-THCP per 4g	< LOQ		mg/4g	0.126		
Δ9-THCV per 4g	< LOQ		mg/4g	0.126		
Δ9-THCV-A per 4g	< LOQ		mg/4g	0.126		
Δ9-THCV-Total per 4g	< LOQ		mg/4g	0.237		
exo-THC per 4g	< LOQ		mg/4g	0.126		
THC-A per 4g <sup>1</sup>	< LOQ		mg/4g	0.126		
Total Cannabinoids per 4g	31.6		mg/4g			


**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2404691	06/23/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2404691	06/23/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2404692	06/21/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2404692	06/21/24 AOAC 2014.05 (RAPID)		

**Solvents** Method: Residual Solvents by HS-GC-MS<sup>b</sup> Units µg/g Batch 2404830 Analyze 06/26/24 10:27 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane <sup>1</sup>	< LOQ	380	100	pass		2-Butanol <sup>1</sup>	< LOQ	5000	200	pass	
2-Ethoxyethanol <sup>1</sup>	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane) <sup>1</sup>	< LOQ		200		
2-Methylpentane <sup>1</sup>	< LOQ		30.0			2-Propanol (IPA) <sup>1</sup>	< LOQ	5000	200	pass	
2,2-Dimethylbutane <sup>1</sup>	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane) <sup>1</sup>	< LOQ		200		
2,3-Dimethylbutane <sup>1</sup>	< LOQ		30.0			3-Methylpentane <sup>1</sup>	< LOQ		30.0		
Acetone <sup>1</sup>	< LOQ	5000	200	pass		Acetonitrile <sup>1</sup>	< LOQ	410	100	pass	
Benzene <sup>1</sup>	< LOQ	2.00	1.00	pass		Butanes (sum) <sup>1</sup>	< LOQ	5000	400	pass	
Cyclohexane <sup>1</sup>	< LOQ	3880	200	pass		Ethyl acetate <sup>1</sup>	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether <sup>1</sup>	< LOQ	5000	200	pass	
Ethylene glycol <sup>1</sup>	< LOQ	620	200	pass		Ethylene oxide <sup>1</sup>	< LOQ	50.0	20.0	pass	
Hexanes (sum) <sup>1</sup>	< LOQ	290	150	pass		Isopropyl acetate <sup>1</sup>	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene) <sup>1</sup>	< LOQ	70.0	30.0	pass		m,p-Xylene <sup>1</sup>	< LOQ		200		
Methanol <sup>1</sup>	< LOQ	3000	200	pass		Methylene chloride <sup>1</sup>	< LOQ	600	60.0	pass	
Methylpropane (Isobutane) <sup>1</sup>	< LOQ		200			n-Butane <sup>1</sup>	< LOQ		200		
n-Heptane <sup>1</sup>	< LOQ	5000	200	pass		n-Hexane <sup>1</sup>	< LOQ		30.0		
n-Pentane <sup>1</sup>	< LOQ		200			o-Xylene <sup>1</sup>	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran <sup>1</sup>	< LOQ	720	100	pass		Toluene <sup>1</sup>	< LOQ	890	100	pass	
Total Xylenes <sup>1</sup>	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

**Pesticides** Method: AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2404838 Analyze 06/26/24 02:25 PM

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 <sup>L</sup>	< LOQ	0.200	mg/kg	0.0195	2404843	06/26/24 AOAC 2013.06 (mod.) <sup>P</sup>	pass	
Cadmium <sup>L</sup>	< LOQ	0.200	mg/kg	0.0195	2404843	06/26/24 AOAC 2013.06 (mod.) <sup>P</sup>	pass	
Lead <sup>L</sup>	< LOQ	0.500	mg/kg	0.0195	2404843	06/26/24 AOAC 2013.06 (mod.) <sup>P</sup>	pass	
Mercury <sup>L</sup>	< LOQ	0.100	mg/kg	0.00977	2404843	06/26/24 AOAC 2013.06 (mod.) <sup>P</sup>	pass	

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Moisture (Loss on Drying)	15.2		g/100g	0.10	2404760	06/24/24 AOAC 925.10 (mod.)		
Water Activity	0.682		Aw	0.030	2404827	06/26/24 AOAC 978.18		



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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/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

A<sub>w</sub> = Water Activity

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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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
Dichlofenthion	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
Etoxazole	0.1
Etrinfos	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



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
MCPP	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

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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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Hemp & Cannabis  
Chain of Custody

Northwest-Natural-Goods-1718734997

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT1508

Company Details						Testing																
Company: <u>Northwest Natural Goods</u> [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted]						<b>Project Details</b> Turnaround Time: <u>5 Business Days   Req. For Micro Testing   Standard</u> Relinquishment   Sampling, Courier & Shipping Options: <u>Pick-Up Courier Service</u> Compliance: <u>Compliance</u> Project Name / ID: <u>HEMP - PCH0025</u> Cannabis Type (select if applicable): <u>Industrial</u> <b>Pick-Up Details</b> Pick-Up Location Name: <u>Northwest Natural Goods</u> [Redacted] [Redacted] [Redacted]						H0013 - Cannabis Heavy Metals Pro	le CR	P2320 - Multi-Residue Pesticide Pro	le (Cannabis)	M283 - RAPID Yeast and Mold Count (RYM) Petri	Im	H0070 - Potency Cannabis (Basic-Expanded)	H0008 - Residual Solvents (Cannabis - Oregon)	M075 - E. coli/Coliform Count (EC) Petri	Im	N3600 - Water Activity & Moisture (as Loss on Drying)   Food
<b>Receipt Information</b> Sample Condition: Satisfactory																						
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size	Additional Test Requests and Sample Comments																
1	HEMP - PCH0025	Cannabinoid Edible	20 each	mg/g & mg/serving	4g	THIS IS FOR PICKUP THURSDAY 6/20						✓	✓	✓	✓	✓	✓	✓				

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
KRISTEN JOHNSON	06/18/2024	11:23	Temp., °C	BR	06/20/2024	10:25	25	No
BR	06/20/2024	11:04	21.1	MEW	06/20/2024	11:58	25	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  
12423 NE Whitaker Way  
Portland, OR 97230

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Report Number: 24-006758/D001.R000  
 Report Date: 06/27/2024  
 ORELAP#: OR100028  
 Purchase Order:  
 Received: 06/20/24 11:58

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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2404763

Laboratory Control Sample										
Analyte	LS	Result	Spike	Units	%Rec	Limits		Evaluation	Notes	
CBDA	2	0.0330	0.0318	%	104	80.0	- 120	Acceptable		
CBV	2	0.0324	0.0322	%	101	80.0	- 120	Acceptable		
CB	2	0.0311	0.0318	%	97.5	80.0	- 120	Acceptable		
CBDA	1	0.0317	0.0308	%	103	90.0	- 110	Acceptable		
CBGA	1	0.0307	0.0305	%	101	80.0	- 120	Acceptable		
CBG	1	0.0302	0.0300	%	101	80.0	- 120	Acceptable		
CB	1	0.0324	0.0325	%	99.7	90.0	- 110	Acceptable		
THCV	2	0.0337	0.0339	%	99.2	80.0	- 120	Acceptable		
d8THCV	2	0.0340	0.0343	%	99.1	80.0	- 120	Acceptable		
THCVA	2	0.0324	0.0312	%	104	80.0	- 120	Acceptable		
CBN	1	0.0306	0.0305	%	100	80.0	- 120	Acceptable		
exo-THC	2	0.0282	0.0278	%	101	80.0	- 120	Acceptable		
d9THC	1	0.0321	0.0323	%	99.3	90.0	- 110	Acceptable		
d8THC	1	0.0307	0.0316	%	97.1	90.0	- 110	Acceptable		
9Sa10THC	1	0.0309	0.0317	%	97.5	80.0	- 120	Acceptable		
CB	2	0.0322	0.0322	%	100	80.0	- 120	Acceptable		
9Rd10THC	1	0.0299	0.0340	%	88.2	80.0	- 120	Acceptable		
CB	2	0.0330	0.0325	%	101	80.0	- 120	Acceptable		
THCA	1	0.0320	0.0305	%	105	90.0	- 110	Acceptable		
CBCA	2	0.0330	0.0328	%	101	80.0	- 120	Acceptable		
CBLA	2	0.0337	0.0329	%	102	80.0	- 120	Acceptable		
d9THCP	2	0.0311	0.0318	%	97.9	80.0	- 120	Acceptable		
CB	2	0.0306	0.0324	%	94.5	80.0	- 120	Acceptable		

Method Blank							
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDA	<LOQ	0.00330	%	< 0.00330	Acceptable		
CBV	<LOQ	0.00330	%	< 0.00330	Acceptable		
CB	<LOQ	0.00330	%	< 0.00330	Acceptable		
CBDA	<LOQ	0.00330	%	< 0.00330	Acceptable		
CBGA	<LOQ	0.00330	%	< 0.00330	Acceptable		
CBG	<LOQ	0.00330	%	< 0.00330	Acceptable		
CB	<LOQ	0.00330	%	< 0.00330	Acceptable		
THCV	<LOQ	0.00330	%	< 0.00330	Acceptable		
d8THCV	<LOQ	0.00330	%	< 0.00330	Acceptable		
THCVA	<LOQ	0.00330	%	< 0.00330	Acceptable		
CBN	<LOQ	0.00330	%	< 0.00330	Acceptable		
exo-THC	<LOQ	0.00330	%	< 0.00330	Acceptable		
d9THC	<LOQ	0.00330	%	< 0.00330	Acceptable		
d8THC	<LOQ	0.00330	%	< 0.00330	Acceptable		
9Sa10THC	<LOQ	0.00330	%	< 0.00330	Acceptable		
CB	<LOQ	0.00330	%	< 0.00330	Acceptable		
9Rd10THC	<LOQ	0.00330	%	< 0.00330	Acceptable		
CB	<LOQ	0.00330	%	< 0.00330	Acceptable		
THCA	<LOQ	0.00330	%	< 0.00330	Acceptable		
CBCA	<LOQ	0.00330	%	< 0.00330	Acceptable		
CBLA	<LOQ	0.00330	%	< 0.00330	Acceptable		
d9THCP	<LOQ	0.00330	%	< 0.00330	Acceptable		
CB	<LOQ	0.00330	%	< 0.00330	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

JAOAC2015 V986		Batch ID: 2404763						
Sample Duplicate		Sample ID: 24-0067360001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBV	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBG	0.00829	0.00835	0.00319	%	0.731	< 20	Acceptable	
CB	0.281	0.280	0.00319	%	0.413	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBN	0.00548	0.00547	0.00319	%	0.197	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
d9THC	0.268	0.266	0.00319	%	0.691	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
9Sa10THC	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
9Rd10THC	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CB	0.00407	0.00408	0.00319	%	0.336	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBI	<LOQ	<LOQ	0.00319	%	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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Revision: 2 Document ID: 7087  
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2404830					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		491	584	µg/g	84.1	60 - 120	
Isobutane	ND	< 200		630	767	µg/g	82.1	60 - 120	
Butane	ND	< 200		644	782	µg/g	82.4	60 - 120	
2,2-Dimethylpropane	ND	< 200		794	939	µg/g	84.6	60 - 120	
Methanol	ND	< 200		1650	1600	µg/g	103.1	60 - 120	
Ethylene Oxide	ND	< 30		49.1	57.1	µg/g	86.0	60 - 120	
2-Methylbutane	ND	< 200		1670	1620	µg/g	103.1	60 - 120	
Pertane	ND	< 200		1680	1670	µg/g	104.3	60 - 120	
Ethanol	ND	< 200		1650	1600	µg/g	103.1	70 - 130	
Ethyl Ether	ND	< 200		1650	1610	µg/g	102.5	60 - 120	
2,2-Dimethylbutane	ND	< 30		197	190	µg/g	103.7	60 - 120	
Acetone	ND	< 200		1640	1670	µg/g	101.9	60 - 120	
2-Propanol	ND	< 200		1650	1610	µg/g	102.5	60 - 120	
Acetonitrile	ND	< 100		500	486	µg/g	102.9	60 - 120	
2,3-Dimethylbutane	ND	< 30		167	163	µg/g	102.5	60 - 120	
Dichloromethane	ND	< 60		482	482	µg/g	100.0	60 - 120	
2-Methylpentane	ND	< 30		180	178	µg/g	101.1	60 - 120	
3-Methylpentane	ND	< 30		522	490	µg/g	106.5	60 - 120	
Hexane	ND	< 30		188	175	µg/g	107.4	60 - 120	
Ethyl acetate	ND	< 200		1620	1600	µg/g	101.3	60 - 120	
2-Butanol	ND	< 200		1600	1610	µg/g	99.4	60 - 120	
Tetrahydrofuran	ND	< 100		492	504	µg/g	97.6	60 - 120	
Cyclohexane	ND	< 200		1580	1620	µg/g	97.5	60 - 120	
Benzene	ND	< 1		4.57	5.08	µg/g	90.0	60 - 120	
Isopropyl Acetate	ND	< 200		1570	1670	µg/g	97.5	60 - 120	
Heptane	ND	< 200		1570	1670	µg/g	97.5	60 - 120	
1,4-Dioxane	ND	< 100		447	488	µg/g	91.6	60 - 120	
2-Ethoxyethanol	ND	< 30		150	163	µg/g	92.0	60 - 120	
Ethylene Glycol	ND	< 200		344	488	µg/g	70.5	60 - 120	
Toluene	ND	< 100		459	492	µg/g	93.3	60 - 120	
Ethylbenzene	ND	< 200		904	969	µg/g	93.3	60 - 120	
m,p-Xylene	ND	< 200		920	981	µg/g	93.8	60 - 120	
o-Xylene	ND	< 200		874	966	µg/g	90.5	60 - 120	
Cumene	ND	< 30		162	167	µg/g	97.0	60 - 120	



QC- Sample Duplicate

Sample ID: 24-006755-0001

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	
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	
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	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	100	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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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.