



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



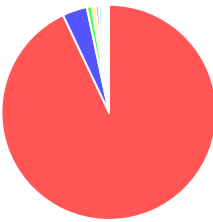
Report Number: 21-010340/D010.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00

Customer: IHC LLC
Product identity: M01LIRCRM0809
Client/Metric ID: .
Laboratory ID: 21-010340-0007

Sample Date: 09/03/21

Summary

Potency:

Analyte	Result (%)		
CBD	88.0		
CBD-A	3.51		
CBT†	0.734		
CBE†	0.494		
CBDV†	0.408		
CBC	0.405		
CBN	0.279		
CBC-A†	0.240		
CBG†	0.193		
THC-A	0.144		
Δ9-THC	0.140		
CBDV-A†	0.0981		
		CBD-Total 91.1%	
		THC-Total 0.266%	
		(Reported in percent of total sample)	

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Chlorpyrifos†	0.076		
Methoxyfenozid†	0.074		
Ethoprophos†	0.024		
Bifenthrin†	0.022		

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Myrcene†	0.481	30.25%	β-Caryophyllene†	0.431	27.11%
Humulene†	0.160	10.06%	α-Bisabolol†	0.129	8.11%
(R)-(+)-Limonene†	0.0792	4.98%	α-pinene†	0.0745	4.69%
Terpinolene†	0.0677	4.26%	(-)-Guaiol†	0.0646	4.06%
Linalool†	0.0292	1.84%	(±)-trans-Nerolidol†	0.0283	1.78%
(-)-β-Pinene†	0.0259	1.63%	(-)-caryophyllene oxide†	0.0235	1.48%
Total Terpenes†	1.59	100.00%			

Microbiology:

Less than LOQ for all analytes.



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Customer: IHC LLC
825 NW 16th Ave
Portland Oregon 97209
United States of America (USA)

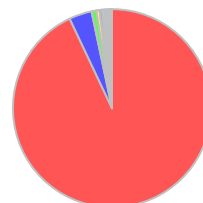
Product identity: M01LIRCRM0809
Client/Metric ID: .
Sample Date: 09/03/21
Laboratory ID: 21-010340-0007
Evidence of Cooling: No
Temp: 28.1 °C
Relinquished by: K. Farook
Serving Size #1: 1 g



THE HEMP
COLLECT

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2108060	Analyze: 9/8/21 4:52:00 PM
Analyte	As Received Dry weight	LOQ	Notes	
CBC	0.405	0.0971		
CBC-A†	0.240	0.0971		
CBC-Total†	0.616	0.182		
CBD	88.0	0.971		
CBD-A	3.51	0.0971		
CBD-Total	91.1	1.06		
CBDV†	0.408	0.0971		
CBDV-A†	0.0981	0.0971		
CBDV-Total†	0.493	0.181		
CBE†	0.494	0.0971		
CBG†	0.193	0.0971		
CBG-A†	< LOQ	0.0971		
CBG-Total	0.193	0.181		
CBL†	< LOQ	0.0971		
CBL-A†	< LOQ	0.0971		
CBL-Total†	< LOQ	0.182		
CBN	0.279	0.0971		
CBT†	0.734	0.0971		
Δ8-THC†	< LOQ	0.0971		
Δ8-THCV	< LOQ	0.0971		
Δ9-THC	0.140	0.0971		
THC-A	0.144	0.0971		
THC-Total	0.266	0.182		
THCV†	< LOQ	0.0971		
THCV-A†	< LOQ	0.0971		
THCV-Total†	< LOQ	0.181		
Total Cannabinoids†	94.6			



● CBD ● Δ9-THC
● CBD-A ● CBDV-A
● CBT
● CBE
● CBDV
● CBC
● CBN
● CBC-A
● CBG
● THC-A



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Microbiology

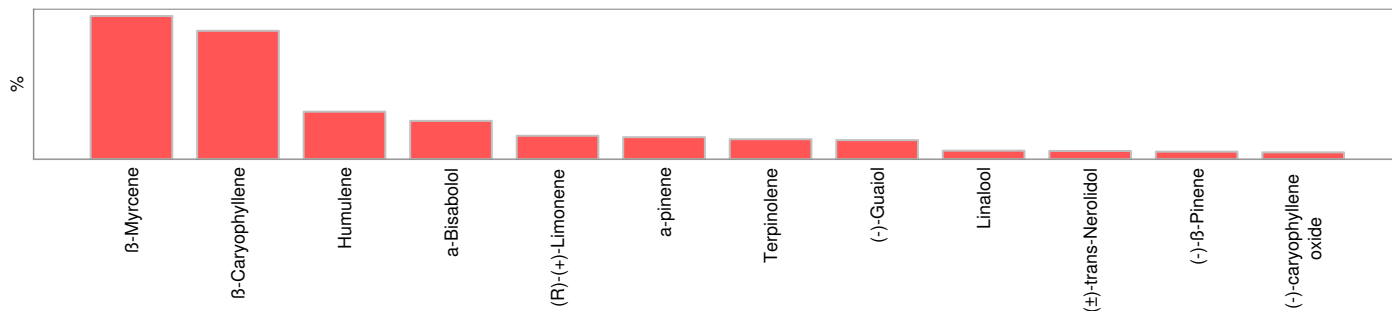
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2107961	09/07/21	AOAC 2014.05 (RAPID)		X, I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2107961	09/07/21	AOAC 2014.05 (RAPID)		X, I

Solvents	Method	Residual Solvents by GC/MS				Units µg/g	Batch 2108030	Analyze 09/08/21 01:31 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ		100			2-Butanol	< LOQ		200		
2-Ethoxyethanol	< LOQ		30.0			2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ		200		
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ		200			Acetonitrile	< LOQ		100		
Benzene	< LOQ		1.00			Butanes (sum)	< LOQ		400		
Cyclohexane	< LOQ		200			Ethyl acetate	< LOQ		200		
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ		200		
Ethylene glycol	< LOQ		200			Ethylene oxide	< LOQ		20.0		
Hexanes (sum)	< LOQ		150			Isopropyl acetate	< LOQ		200		
Isopropylbenzene	< LOQ		30.0			m,p-Xylene	< LOQ		200		
Methanol	< LOQ		200			Methylene chloride	< LOQ		60.0		
Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ		200			n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ		600			Propane	< LOQ		200		
Tetrahydrofuran	< LOQ		100			Toluene	< LOQ		100		
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ		600		

Pesticides	Method AOAC 2007.01 & EN 15662 (mod)					Units mg/kg	Batch 2108036	Analyze 09/10/21 09:48 AM				
<i>All compounds on the attached sheet were found to be <LOQ except those listed</i>												
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	
Bifenthrin†	0.022		0.020			Chlorpyrifos†	0.076		0.050			
Ethoprophos†	0.024		0.020			Methoxyfenozid†	0.074		0.020			



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2108209	Analyze 09/09/21 10:32 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Myrcene [†]	0.481	0.019	30.252%		β-Caryophyllene [†]	0.431	0.019	27.107%	
Humulene [†]	0.160	0.019	10.063%		α-Bisabolol [†]	0.129	0.019	8.113%	
(R)-(+)-Limonene [†]	0.0792	0.019	4.9811%		α-pinene [†]	0.0745	0.019	4.6855%	
Terpinolene [†]	0.0677	0.019	4.2579%		(-)-Guaiol [†]	0.0646	0.019	4.0629%	
Linalool [†]	0.0292	0.019	1.8365%		(±)-trans-Nerolidol [†]	0.0283	0.019	1.7799%	
(-)-β-Pinene [†]	0.0259	0.019	1.6289%		(-)-caryophyllene oxide [†]	0.0235	0.019	1.4780%	
(±)-cis-Nerolidol [†]	< LOQ	0.019	0.00%		(+)-fenchol [†]	< LOQ	0.019	0.00%	
trans-β-Ocimene [†]	< LOQ	0.013	0.00%		(-)-α-Terpineol [†]	< LOQ	0.019	0.00%	
Geraniol [†]	< LOQ	0.019	0.00%		α-Terpinene [†]	< LOQ	0.019	0.00%	
Geranyl acetate [†]	< LOQ	0.019	0.00%		(+)-Borneol [†]	< LOQ	0.019	0.00%	
nerol [†]	< LOQ	0.019	0.00%		gamma-Terpinene [†]	< LOQ	0.019	0.00%	
(+)-Pulegone [†]	< LOQ	0.019	0.00%		Sabinene hydrate [†]	< LOQ	0.019	0.00%	
(+)-Cedrol [†]	< LOQ	0.019	0.00%		Isoborneol [†]	< LOQ	0.019	0.00%	
(±)-Camphor [†]	< LOQ	0.019	0.00%		α-phellandrene [†]	< LOQ	0.019	0.00%	
(-)-Isopulegol [†]	< LOQ	0.019	0.00%		(±)-fenchone [†]	< LOQ	0.019	0.00%	
α-cedrene [†]	< LOQ	0.019	0.00%		Camphene [†]	< LOQ	0.019	0.00%	
cis-β-Ocimene [†]	< LOQ	0.006	0.00%		d-3-Carene [†]	< LOQ	0.019	0.00%	
Eucalyptol [†]	< LOQ	0.019	0.00%		farnesene [†]	< LOQ	0.019	0.00%	
Menthol [†]	< LOQ	0.019	0.00%		p-Cymene [†]	< LOQ	0.019	0.00%	
Sabinene [†]	< LOQ	0.019	0.00%		valencene [†]	< LOQ	0.019	0.00%	
Total Terpenes	1.59								





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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

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



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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	Cyantraniliprole	0.050	Ethoprophos	0.020
Ametoctradin	0.020	Cyazofamid	0.020	Etofenprox	0.020
Ametryn	0.500	Cycloate	0.100	Etiozazole	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
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	Flutolalil	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



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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	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	Pyroxasulfone	0.020
Isodrin	0.100	Paclobutrazol	0.050	Pyroxulam	0.020
Isafenphos	0.050	Paraaxon-ethyl	0.020	Quinalphos	0.050
Isafenphos-methyl	0.020	Paraaxon methyl	0.100	Quinoxifen	0.050
Isafenphos 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



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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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Report Date: 09/15/2021
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Purchase Order:
Received: 09/03/21 13:00

THEHEMPCOLLECT 21-010340



THC



Hemp / Cannabis Usable / Extract / Finished Products
Chain of Custody Record

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021
ORELAP ID: OR100028

Company: IHC Contact: Kyle Farook Street: 431 NW Flanders st. City: Portland State: OR Zip: 97209 ☐ Email Results: Dropbox Ph: (503) 608164 ☐ Fx Results: () Billing (if different): beth@thehempcollect.com				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>			
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
1	I03GMY0903	9/3				X									E		Sample #1 (gummy) results reported in mg_analyte per 3g unit size
2	I01KIFHHW0804	9/3				X									V		
3	M01PRL0826_SpL	9/3				X									V		
4	M0103PRL0826	9/3				X									V		
5	M0102FTS0813	9/3				X									V		
6	M0103LIRSUG0823	9/3		X	X	X		X	X						C		
7	M01LIRCRM0809	9/3		X	X	X		X	X						C		
8	I01TRP0901_SL	9/3		X	X	X	X	X	X						C		
9	I01TRP0901_SSSC	9/3		X	X	X	X	X	X						C		
10		9/3															
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only:									
Kyle Farook		9/3	1:00	BD		9/3/21	13:00	☐ Shipped Via: _____ or ☒ Client drop Evidence of cooling: ☐ Yes ☒ No - Temp (°C): 28.1 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
Portland, OR 97230
P: (503) 254-1794 | Fax: (503) 254-1452
info@columbiaboratories.com
Page _____ of _____
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12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 21-010340/D010.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00

Laboratory Quality Control Results									
Residual Solvents				Batch ID: 2108030					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		578	595	µg/g	97.1	70 - 130	
Isobutane	ND	< 200		775	761	µg/g	101.8	70 - 130	
Butane	ND	< 200		784	761	µg/g	103.0	70 - 130	
2,2-Dimethylpropane	ND	< 200		986	955	µg/g	103.2	70 - 130	
Methanol	ND	< 200		1590	1610	µg/g	98.8	70 - 130	
Ethylene Oxide	ND	< 30		61	58.3	µg/g	104.6	70 - 130	
2-Methylbutane	ND	< 200		1440	1610	µg/g	89.4	70 - 130	
Pentane	ND	< 200		1490	1620	µg/g	92.0	70 - 130	
Ethanol	ND	< 200		1830	1610	µg/g	113.7	70 - 130	
Ethyl Ether	ND	< 200		1750	1610	µg/g	108.7	70 - 130	
2,2-Dimethylbutane	ND	< 30		149	173	µg/g	86.6	70 - 130	
Acetone	ND	< 200		1640	1600	µg/g	102.5	70 - 130	
2-Propanol	ND	< 200		1880	1620	µg/g	116.0	70 - 130	
Ethyl Formate	ND	< 500		1450	1610	µg/g	90.1	70 - 130	
Acetonitrile	ND	< 100		517	501	µg/g	103.2	70 - 130	
Methyl Acetate	ND	< 500		1720	1610	µg/g	106.8	70 - 130	
2,3-Dimethylbutane	ND	< 30		156	163	µg/g	95.7	70 - 130	
Dichloromethane	ND	< 60		552	483	µg/g	114.3	70 - 130	
2-Methylpentane	ND	< 30		187	164	µg/g	114.0	70 - 130	
MTBE	ND	< 500		1770	1600	µg/g	110.6	70 - 130	
3-Methylpentane	ND	< 30		195	164	µg/g	118.9	70 - 130	
Hexane	ND	< 30		191	163	µg/g	117.2	70 - 130	
1-Propanol	ND	< 500		1650	1620	µg/g	101.9	70 - 130	
Methylethylketone	ND	< 500		1540	1610	µg/g	95.7	70 - 130	
Ethyl acetate	ND	< 200		1740	1610	µg/g	108.1	70 - 130	
2-Butanol	ND	< 200		1820	1620	µg/g	112.3	70 - 130	
Tetrahydrofuran	ND	< 100		586	500	µg/g	117.2	70 - 130	
Cyclohexane	ND	< 200		1530	1610	µg/g	95.0	70 - 130	
2-methyl-1-propanol	ND	< 500		1680	1610	µg/g	104.3	70 - 130	
Benzene	ND	< 1		5.11	5.42	µg/g	94.3	70 - 130	
Isopropyl Acetate	ND	< 200		1840	1600	µg/g	115.0	70 - 130	
Heptane	ND	< 200		1650	1600	µg/g	103.1	70 - 130	
1-Butanol	ND	< 500		1870	1620	µg/g	115.4	70 - 130	
Propyl Acetate	ND	< 500		1760	1610	µg/g	109.3	70 - 130	
1,4-Dioxane	ND	< 100		593	490	µg/g	121.0	70 - 130	
2-Ethoxyethanol	ND	< 30		165	163	µg/g	101.2	70 - 130	
Methylisobutylketone	ND	< 500		1650	1620	µg/g	101.9	70 - 130	
3-Methyl-1-butanol	ND	< 500		1520	1610	µg/g	94.4	70 - 130	
Ethylene Glycol	ND	< 200		474	484	µg/g	97.9	70 - 130	
Toluene	ND	< 200		579	482	µg/g	120.1	70 - 130	
Isobutyl Acetate	ND	< 500		1570	1620	µg/g	96.9	70 - 130	
1-Pentanol	ND	< 500		1130	1620	µg/g	69.8	70 - 130	
Butyl Acetate	ND	< 500		1620	1620	µg/g	100.0	70 - 130	
Ethylbenzene	ND	< 200		1130	970	µg/g	116.5	70 - 130	
m,p-Xylene	ND	< 200		1020	991	µg/g	102.9	70 - 130	
o-Xylene	ND	< 200		1170	967	µg/g	121.0	70 - 130	
Cumene	ND	< 30		214	169	µg/g	126.6	70 - 130	
Anisole	ND	< 500		1740	1640	µg/g	106.1	70 - 130	
DMSO	ND	< 500		1960	1620	µg/g	121.0	70 - 130	
1,2-dimethoxyethane	ND	< 50		159	162	µg/g	98.1	70 - 130	
Triethylamine	ND	< 500		1790	1610	µg/g	111.2	70 - 130	
N,N-dimethylformamide	ND	< 150		503	487	µg/g	103.3	70 - 130	
N,N-dimethylacetamide	ND	< 150		509	492	µg/g	103.5	70 - 130	
Pyridine	ND	< 50		118	165	µg/g	71.5	70 - 130	



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



Report Number: 21-010340/D010.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00

QC - Sample Duplicate

Sample ID: 21-009853-0002

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	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylcyclopentane	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	

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



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



Report Number: 21-010340/D010.R000
Report Date: 09/15/2021
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Purchase Order:
Received: 09/03/21 13:00

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: 2108041/2108060

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.194	0.2	%	97.0	85.0 - 115	Acceptable	
CBDV	0.207	0.2	%	103	85.0 - 115	Acceptable	
CBE	0.206	0.2	%	103	85.0 - 115	Acceptable	
CBD A	0.197	0.2	%	98.3	85.0 - 115	Acceptable	
CBGA	0.194	0.2	%	97.0	85.0 - 115	Acceptable	
CBG	0.207	0.2	%	103	85.0 - 115	Acceptable	
CBD	0.201	0.2	%	100	85.0 - 115	Acceptable	
THCV	0.205	0.2	%	102	85.0 - 115	Acceptable	
d8THCV	0.197	0.2	%	98.3	85.0 - 115	Acceptable	
THCVA	0.185	0.2	%	92.5	85.0 - 115	Acceptable	
CBN	0.210	0.2	%	105	85.0 - 115	Acceptable	
exo-THC	0.187	0.2	%	93.5	85.0 - 115	Acceptable	
d9THC	0.205	0.2	%	102	85.0 - 115	Acceptable	
d8THC	0.201	0.2	%	101	85.0 - 115	Acceptable	
CBL	0.182	0.2	%	91.2	85.0 - 115	Acceptable	
CBC	0.207	0.2	%	103	85.0 - 115	Acceptable	
THCA	0.194	0.2	%	97.0	85.0 - 115	Acceptable	
CBCA	0.186	0.2	%	93.2	85.0 - 115	Acceptable	
CBLA	0.202	0.2	%	101	85.0 - 115	Acceptable	
CBT	0.216	0.2	%	108	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 A	<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



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Report Number: 21-010340/D010.R000
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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: 2108041/2108060						
Sample Duplicate		Sample ID: 21-009903-0001-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	0.467	0.556	0.1	%	17.4	< 20	Acceptable	
CBE	0.837	0.993	0.1	%	17.1	< 20	Acceptable	
CBD A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	0.275	0.327	0.1	%	17.3	< 20	Acceptable	
CBD	>98.0	>98.0	0.1	%	NA	< 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	0.509	0.607	0.1	%	17.5	< 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	0.866	1.03	0.1	%	17.3	< 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	0.872	0.908	0.1	%	4.06	< 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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Portland, OR 97230
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Report Number: 21-010340/D010.R000
Report Date: 09/15/2021
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Terpenes Quality Control Results

Method Reference: EPA 5035				Batch ID: 2108209				
Method Blank				Laboratory Control Sample				
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits
a-pinene	<LOQ	< 200		575	500	µg/g	115%	70 - 130
Camphene	<LOQ	< 200		495	500	µg/g	99%	70 - 130
Sabinene	<LOQ	< 200		453	500	µg/g	91%	70 - 130
b-Pinene	<LOQ	< 200		524	500	µg/g	105%	70 - 130
b-Myrcene	<LOQ	< 200		442	500	µg/g	88%	70 - 130
a-phellandrene	<LOQ	< 200		400	500	µg/g	80%	70 - 130
d-3-Carene	<LOQ	< 200		516	500	µg/g	103%	70 - 130
a-Terpinene	<LOQ	< 200		540	500	µg/g	108%	70 - 130
p-Cymene	<LOQ	< 200		471	500	µg/g	94%	70 - 130
D-Limonene	<LOQ	< 200		471	500	µg/g	94%	70 - 130
Eucalyptol	<LOQ	< 200		499	500	µg/g	100%	70 - 130
b-cis-Ocimene	<LOQ	< 67		137	167	µg/g	82%	70 - 130
b-trans-Ocimene	<LOQ	< 133		321	333	µg/g	96%	70 - 130
g-Terpinene	<LOQ	< 200		456	500	µg/g	91%	70 - 130
Sabinene_Hydrate	<LOQ	< 200		489	500	µg/g	98%	70 - 130
Terpinolene	<LOQ	< 200		434	500	µg/g	87%	70 - 130
D-Fenchone	<LOQ	< 200		438	500	µg/g	88%	70 - 130
Linalool	<LOQ	< 200		523	500	µg/g	105%	70 - 130
Fenchol	<LOQ	< 200		496	500	µg/g	99%	70 - 130
Camphor	<LOQ	< 200		473	500	µg/g	95%	70 - 130
Isopulego	<LOQ	< 200		443	500	µg/g	89%	70 - 130
Isoborneol	<LOQ	< 200		498	500	µg/g	100%	70 - 130
Borneol	<LOQ	< 200		507	500	µg/g	101%	70 - 130
DL-Menthol	<LOQ	< 200		469	500	µg/g	94%	70 - 130
Terpineol	<LOQ	< 200		438	500	µg/g	88%	70 - 130
Nerol	<LOQ	< 200		438	500	µg/g	88%	70 - 130
Pulegone	<LOQ	< 200		566	500	µg/g	113%	70 - 130
Geraniol	<LOQ	< 200		422	500	µg/g	84%	70 - 130
Geranyl_Acetate	<LOQ	< 200		461	500	µg/g	92%	70 - 130
a-Cedrene	<LOQ	< 200		503	500	µg/g	101%	70 - 130
b-Caryophyllene	<LOQ	< 200		375	500	µg/g	75%	70 - 130
a-Humulene	<LOQ	< 200		427	500	µg/g	85%	70 - 130
Valenene	<LOQ	< 200		381	500	µg/g	76%	70 - 130
cis-Nerolidol	<LOQ	< 200		449	500	µg/g	90%	70 - 130
a-Farnesene	<LOQ	< 200		546	500	µg/g	109%	70 - 130
trans-Nerolidol	<LOQ	< 200		489	500	µg/g	98%	70 - 130
Caryophyllene_Oxide	<LOQ	< 200		550	500	µg/g	110%	70 - 130
Guaiol	<LOQ	< 200		559	500	µg/g	112%	70 - 130
Cedrol	<LOQ	< 200		517	500	µg/g	103%	70 - 130
a-Bisabolol	<LOQ	< 200		519	500	µg/g	104%	70 - 130

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery



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



Report Number: 21-010340/D010.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00

Terpenes Quality Control Results

Method Reference: EPA 5035				Batch ID: 2108209			
Sample/Sample Duplicate		Sample ID: 21-010306-0004					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	196	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-Myrcene	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	196	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	196	µg/g	0%	< 20	
D-Limonene	<LOQ	<LOQ	196	µg/g	0%	< 20	
Eucalyptol	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-cis-OCimene	<LOQ	<LOQ	65.2	µg/g	0%	< 20	
b-trans-OCimene	<LOQ	<LOQ	130	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	196	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	196	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	196	µg/g	0%	< 20	
Linalool	<LOQ	<LOQ	196	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	196	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	196	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	196	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	196	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-Caryophyllene	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Humulene	<LOQ	<LOQ	196	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	196	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	196	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	196	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Bisabolol	<LOQ	<LOQ	196	µg/g	0%	< 20	

Definitions

RPD

Relative Percent Difference



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



Report Number: 21-010340/D010.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00

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.