



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

Report Number: 21-010340/D007.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00



Customer: IHC LLC
Product identity: I01TRP0901_SSSC
Client/Metric ID: .
Laboratory ID: 21-010340-0009

Sample Date: 09/03/21

Summary

Potency:

Less than LOQ for all analytes.

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
Acetone	1430		
n-Hexane	138		

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile†	< LOQ for all analytes		

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Myrcene†	32.4	37.67%	Terpinolene†	24.3	28.26%
trans-β-Ocimene†	6.14	7.14%	(R)-(+)-Limonene†	5.95	6.92%
β-Caryophyllene†	3.81	4.43%	α-pinene†	2.97	3.45%
(-)-β-Pinene†	2.40	2.79%	farnesene†	1.51	1.76%
Humulene†	1.21	1.41%	α-phellandrene†	1.08	1.26%
d-3-Carene†	0.794	0.92%	α-Terpinene†	0.665	0.77%
Linalool†	0.655	0.76%	cis-β-Ocimene†	0.440	0.51%
γ-Terpinene†	0.387	0.45%	(+)-fenchol†	0.257	0.30%
Eucalyptol†	0.208	0.24%	(-)-α-Terpineol†	0.174	0.20%
p-Cymene†	0.161	0.19%	Camphene†	0.130	0.15%
(-)-caryophyllene oxide†	0.0859	0.10%	Sabinene†	0.0848	0.10%
(+)-Borneol†	0.0404	0.05%	(±)-Camphor†	0.0389	0.05%
valencene†	0.0342	0.04%	Sabinene hydrate†	0.0304	0.04%
α-Bisabolol†	0.0303	0.04%	(-)-Guaiol†	0.0279	0.03%
(±)-trans-Nerolidol†	0.0213	0.02%	Total Terpenes†	86.0	100.00%



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

Product identity: I01TRP0901_SSSC
Client/Metric ID: .
Sample Date: 09/03/21
Laboratory ID: 21-010340-0009
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 5:12:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0889			
CBC-A†	< LOQ		0.0889			
CBC-Total†	< LOQ		0.167			
CBD	< LOQ		0.0889			
CBD-A	< LOQ		0.0889			
CBD-Total	< LOQ		0.167			
CBDV†	< LOQ		0.0889			
CBDV-A†	< LOQ		0.0889			
CBDV-Total†	< LOQ		0.166			
CBE†	< LOQ		0.0889			
CBG†	< LOQ		0.0889			
CBG-A†	< LOQ		0.0889			
CBG-Total	< LOQ		0.166			
CBL†	< LOQ		0.0889			
CBL-A†	< LOQ		0.0889			
CBL-Total†	< LOQ		0.167			
CBN	< LOQ		0.0889			
CBT†	< LOQ		0.0889			
Δ8-THC†	< LOQ		0.0889			
Δ8-THCV	< LOQ		0.0889			
Δ9-THC	< LOQ		0.0889			
THC-A	< LOQ		0.0889			
THC-Total	< LOQ		0.167			
THCV†	< LOQ		0.0889			
THCV-A†	< LOQ		0.0889			
THCV-Total†	< LOQ		0.166			
Total Cannabinoids†	0.000					



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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	1430		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	138		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	09/08/21 02:45 PM	
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	
Multi-Residue Pesticide Profile†	< LOQ for all analytes											

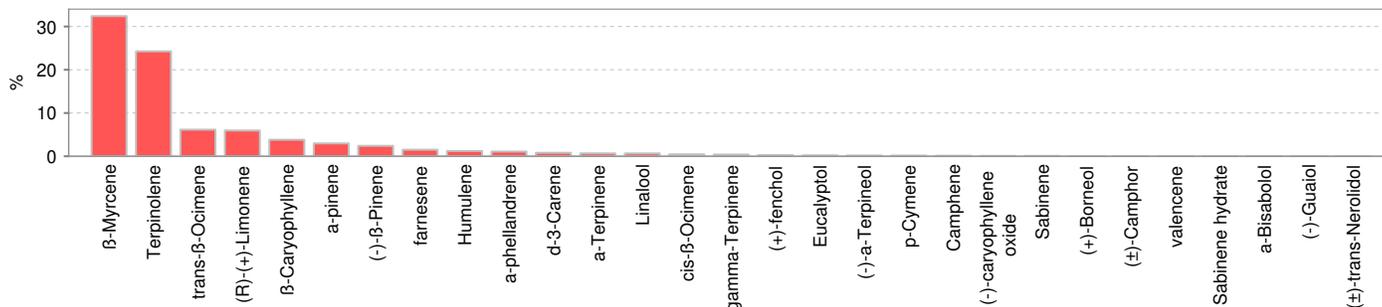


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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2108209	Analyze 09/10/21 03:05 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Myrcene [†]	32.4	0.196	37.67%		Terpinolene [†]	24.3	0.196	28.26%	
trans-β-Ocimene [†]	6.14	0.130	7.14%		(R)-(+)-Limonene [†]	5.95	0.196	6.92%	
β-Caryophyllene [†]	3.81	0.019	4.43%		α-pinene [†]	2.97	0.019	3.45%	
(-)-β-Pinene [†]	2.40	0.019	2.79%		farnesene [†]	1.51	0.019	1.76%	
Humulene [†]	1.21	0.019	1.41%		α-phellandrene [†]	1.08	0.019	1.26%	
d-3-Carene [†]	0.794	0.019	0.923%		α-Terpinene [†]	0.665	0.019	0.773%	
Linalool [†]	0.655	0.019	0.762%		cis-β-Ocimene [†]	0.440	0.006	0.512%	
γ-Terpinene [†]	0.387	0.019	0.450%		(+)-fenchol [†]	0.257	0.019	0.299%	
Eucalyptol [†]	0.208	0.019	0.242%		(-)-α-Terpineol [†]	0.174	0.019	0.202%	
p-Cymene [†]	0.161	0.019	0.187%		Camphene [†]	0.130	0.019	0.151%	
(-)-caryophyllene oxide [†]	0.0859	0.019	0.0999%		Sabinene [†]	0.0848	0.019	0.0986%	
(+)-Borneol [†]	0.0404	0.019	0.0470%		(±)-Camphor [†]	0.0389	0.019	0.0452%	
valencene [†]	0.0342	0.019	0.0398%		Sabinene hydrate [†]	0.0304	0.019	0.0353%	
α-Bisabolol [†]	0.0303	0.019	0.0352%		(-)-Guaiol [†]	0.0279	0.019	0.0324%	
(±)-trans-Nerolidol [†]	0.0213	0.019	0.0248%		nerol [†]	< LOQ	0.019	0.00%	
(-)-Isopulegol [†]	< LOQ	0.019	0.00%		(+)-Cedrol [†]	< LOQ	0.019	0.00%	
(+)-Pulegone [†]	< LOQ	0.019	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.019	0.00%	
(±)-fenchone [†]	< LOQ	0.019	0.00%		α-cedrene [†]	< LOQ	0.019	0.00%	
Geraniol [†]	< LOQ	0.019	0.00%		Geranyl acetate [†]	< LOQ	0.019	0.00%	
Isoborneol [†]	< LOQ	0.019	0.00%		Menthol [†]	< LOQ	0.019	0.00%	
Total Terpenes	86.0								



Nutrition									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Moisture as loss on drying	82.0		g/100g	0.10	2108139	09/11/21	AOAC 925.10 (mod.)		X, Q7
Water Activity	0.448		Aw	0.030	2107991	09/07/21	AOAC 978.18		X



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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

g = Gram

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

Glossary of Qualifiers

Q7: Quality control outside limits.

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	Cethodim	0.050	Endrin	0.100
Acephate	0.100	Cethodim Sulfone	0.050	EPN	0.050
Acequinocyl	0.100	Cethodim Sulfoxide	0.050	EPTC	0.100
Acetamiprid	0.020	Cbfentezine	0.020	Esfenvalerate/ Fenvalerate	0.200
Acetochlor	0.100	Cbmazone	0.020	Etaconazole	0.100
Acrinathrin	0.100	Cbthianidin	0.200	Ethalfuralin	0.100
Adchlor	0.100	Caumaphos	0.050	Ethiofencarb	0.050
Aldicarb	0.100	Crdoxyphos	0.020	Ethion	0.200
Aldicarb sulfoxide	0.100	Cyarazine	0.020	Ethirimol	0.100
Aldoxycarb (Aldicarb-sulfone)	0.100	Cyarofenphos	0.020	Ethofumesate	0.050
Aldrin	0.100	Cyatr aniliprole	0.050	Ethoprophos	0.020
Ametoctradin	0.020	Cyazfamid	0.020	Etofenprox	0.020
Ametryn	0.500	Cydoate	0.100	Etoxazole	0.020
Aspon	0.100	Cyfluthrin	0.200	Etridiazole	0.100
Asulam	0.100	Cyhalothrin, lambda	0.200	Etrinfos	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	Dadnal	0.100	Fenamiphos	0.020
Azoxystrobin	0.020	Damnozide	0.100	Fenamiphos sulfone	0.020
Beralaxyl	0.020	DCPMU	0.050	Fenamiphos sulfoxide	0.020
Berdiocarb	0.020	DDD, op'-	0.100	Fenazaquin	0.100
Berfluralin	0.100	DDD, p,p'-	0.100	Fenbuconazole	0.100
Berxacor	0.050	DDE, o,p'-	0.100	Fenchlorphos	0.100
Bersulide	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	Detamethrin	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	Fensulfiothion	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfiothion oxon	0.020
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfiothion sulfone	0.100
Bupirimate	0.020	Dichlorvos	0.100	Fensulfiothion-oxon-sulfone	0.020
Buprofezin	0.050	Diclobutrazol	0.050	Fenthion	0.050
Butadlor	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
Caftan	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
Carbendiazim	0.100	Dimethoate	0.050	Flucythrinate	0.100
Carbendiazim	0.020	Dimethomorph	0.050	Fludioxonil	0.200
Carbophenothion	0.200	Diniconazole	0.200	Rufenacet	0.020
Carboxin	0.020	Dinotefuran	0.200	Rumioxazin	0.100
Carfentrazone-ethyl	0.100	Dioxathion	0.100	Fluometuron	0.020
Chlorantriliprole	0.020	Diphenamid	0.020	Fluopicolide	0.050
Chordane, cis-	0.200	Diphenylamine	0.100	Fluopyram	0.020
Chordane, trans-	0.200	Disulfoton	0.100	Fluoxastrobin	0.050
Chlorfenapyr	0.500	Disulfoton sulfone	0.100	Flupyradifurone	0.020
Chlorfenson	0.200	Disulfoton sulfoxide	0.100	Fluridone	0.100
Chlorfenvinphos	0.050	Diuron	0.050	Flusilazole	0.020
Chlorobenzilate	0.100	Edifenphos	0.050	Flutolanil	0.020
Chloroneb	0.200	Endosulfan alpha	0.200	Flutriafol	0.020
Chlorpyrifos	0.050	Endosulfan beta	0.200	Fluvalinate, tau-	0.100
Chlorpyrifos-methyl	0.200	Endosulfan sulfate	0.100	Fluxapyroxad	0.020
CIPC	1.000				



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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	Proparil	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
Imidacoprid	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	Oxychloridane	0.100	Pyrimetharil	0.050
Isobenzan	0.100	Oxydemeton-Methyl	0.100	Pyriproxifen	0.020
Isocarbophos	0.500	Oxythioquinox	0.200	Pyroxasulfone	0.020
Isodrin	0.100	Padlobutrazol	0.050	Pyroxulam	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 (PQNB)	0.200
Isoprocab	0.020	Parathion methyl	0.200	Resmethrin	0.050
Isopropalin	0.200	Perconazole	0.050	Rotenone	0.050
Isoprothiolane	0.050	Perdimethalin	0.050	S421	0.100
Isoproturon	0.050	Perflufen	0.020	Smaazine	0.100
Isoxaben	0.050	Pertachloroaniline	0.100	Smectryn	0.200
Isoxaflutole	0.050	Pertachloroanisole	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
Lenadi	0.100	Perthiopyrad	0.020	Spiromesifen	0.050
Lindane (gammaBHC)	0.100	Pemethrin	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
Methacifos	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	Prailethrin	0.100	Tetraconazole	0.050
Methomyl	0.100	Prochloraz	0.020	Tetradfon	0.200
Methoxychlor	0.100	Proxymidone	0.100	Tetramethrin	0.050
Methoxyfenozide	0.020	Prfenofos	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	Thiadoprid	0.050
Metraferone	0.050	Prometryn	0.020	Thiamethoxam	0.100
Metribuzin	0.100	Propadlor	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	Tolyfluarid	0.050	Triticonazole	0.050
Tralkoxydim	0.100	Tridiphane	0.500	Vindozolin	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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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 <input type="checkbox"/> Email Results: Dropbox Ph: (503) 608164 <input type="checkbox"/> Fx Results: (____) Billing (if different): beth@thehempcollect.com				Analysis Requested										PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround <input type="checkbox"/> 3 Business Day Rush Turnaround* <input type="checkbox"/> 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	<input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>28.1</u> Sample in good condition: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____								

† - Sample Type Codes: Vegetation (V) ; Isolates (I) ; 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@columbialaboratories.com

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



Report Number: 21-010340/D007.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	172	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
MTEB	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		578	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	69.6	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		155	162	µg/g	96.1	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		505	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/D007.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00

CC - Sample Duplicate Sample ID: 21-009853-0002

Analyte	Result	Org. Result	LOQ	Units	FPD	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	
MTE	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	
Methylisobutylketone	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 MFL
 FPD - 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/D007.R000
Report Date: 09/15/2021
ORELAP#: OR100028
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	
CEDA	0.197	0.2	%	98.3	85.0 - 115	Acceptable	
CEGA	0.194	0.2	%	97.0	85.0 - 115	Acceptable	
CEG	0.207	0.2	%	103	85.0 - 115	Acceptable	
CEB	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	
CEC	0.207	0.2	%	103	85.0 - 115	Acceptable	
THCA	0.194	0.2	%	97.0	85.0 - 115	Acceptable	
CECA	0.186	0.2	%	93.2	85.0 - 115	Acceptable	
CBLA	0.202	0.2	%	101	85.0 - 115	Acceptable	
CBF	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	
CEDA	<LOQ	0.01	%	< 0.01	Acceptable	
CEGA	<LOQ	0.01	%	< 0.01	Acceptable	
CEG	<LOQ	0.01	%	< 0.01	Acceptable	
CEB	<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	
CEC	<LOQ	0.01	%	< 0.01	Acceptable	
THCA	<LOQ	0.01	%	< 0.01	Acceptable	
CECA	<LOQ	0.01	%	< 0.01	Acceptable	
CBLA	<LOQ	0.01	%	< 0.01	Acceptable	
CBF	<LOQ	0.01	%	< 0.01	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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



Report Number: 21-010340/D007.R000
Report Date: 09/15/2021
ORELAP#: OR100028
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						
Sample Duplicate		Sample ID: 21-009903-0001-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBV	0.467	0.556	0.1	%	17.4	< 20	Acceptable	
CB	0.837	0.993	0.1	%	17.1	< 20	Acceptable	
CBDA	<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	
CB	>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	
CB	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CB	0.866	1.03	0.1	%	17.3	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CB	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



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



Report Number: 21-010340/D007.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00

Terpenes Quality Control Results

Method Reference: EPA5035				Batch ID: 2108209					
Method Blank				Laboratory Control Sample					
Analyte	Result	LQ	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
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-Cimene	<LOQ	< 67		137	167	µg/g	82%	70 - 130	
b-trans-Cimene	<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	
Nerd	<LOQ	< 200		438	500	µg/g	88%	70 - 130	
Pulegone	<LOQ	< 200		566	500	µg/g	113%	70 - 130	
Cereniol	<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	
Quaiol	<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

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



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



Report Number: 21-010340/D007.R000
Report Date: 09/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 09/03/21 13:00

Terpenes Quality Control Results

Method Reference: EPA5035		Batch ID: 2108209					
Sample/ Sample Duplicate		Sample ID: 21-010306-004					
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-Cimene	<LOQ	<LOQ	652	µg/g	0%	< 20	
b-trans-Cimene	<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	
Nerd	<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/D007.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.