



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Customer: Oscity Biosciences
Product identity: Oscity Milk Chocolates (CIM04103)
Project Number: 4/19/23
Client/Metric ID: .
Laboratory ID: 23-004881-0005

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	2.59		mg/1g		CBD-Total per Serving Size 2.60 mg/1g
Δ9-THC per 1g	0.0768		mg/1g		THC-Total per Serving Size 0.0768 mg/1g
					(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Less than LOQ for all analytes.

Metals:

Analyte	Result	Units	Limit	Status
Cadmium*	0.0770	mg/kg		



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Customer: Oscity Biosciences
 United States of America (USA)
Product identity: Oscity Milk Chocolates (CIM04103)
Project Number: 4/19/23
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-004881-0005
Evidence of Cooling: No
Temp: 20.6
Relinquished by: usps
Serving Size #1: 1 g

Sample Results

Potency per 1g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2306662	Analyze: 4/25/23 1:57:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	2.59		mg/1g	0.0312	
CBD-A per 1g	< LOQ		mg/1g	0.0312	
CBD-Total per 1g	2.60		mg/1g	0.0586	
CBG per 1g	< LOQ		mg/1g	0.0312	
CBG-A per 1g	< LOQ		mg/1g	0.0312	
CBG-Total per 1g	< LOQ		mg/1g	0.0582	
CBN per 1g	< LOQ		mg/1g	0.0312	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0312	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0312	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0624	
Δ8-THC per 1g	< LOQ		mg/1g	0.0312	
Δ9-THC per 1g	0.0768		mg/1g	0.0312	
THC-A per 1g	< LOQ		mg/1g	0.0312	
THC-Total per 1g	0.0768		mg/1g	0.0586	



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Solvents											
Method: Residual Solvents by GC/MS ^b											
Units µg/g Batch 2306790 Analyze 04/27/23 01:07 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 (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ		200		
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		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 (Cumene)	< LOQ		30.0			m,p-Xylene	< LOQ		200		
Methanol	< LOQ		200			Methylene chloride	< LOQ		60.0		
Methylpropane (Isobutane)	< 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 benzene	< LOQ		600		



Pesticides						Method: AOAC 2007.01 & EN 15662 (mod) ^b						Units mg/kg		Batch 2306747		Analyze 04/26/23 02:57 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes								
Abamectin [‡]	< LOQ		0.250			Acephate [‡]	< LOQ		0.200										
Acequinocyl [‡]	< LOQ		1.00			Acetamiprid [‡]	< LOQ		0.100										
Aldicarb [‡]	< LOQ		0.200			Azoxystrobin [‡]	< LOQ		0.100										
Bifenazate [‡]	< LOQ		0.100			Bifenthrin [‡]	< LOQ		0.100										
Boscalid [‡]	< LOQ		0.200			Carbaryl [‡]	< LOQ		0.100										
Carbofuran [‡]	< LOQ		0.100			Chlorantraniliprole [‡]	< LOQ		0.100										
Chlorfenapyr [‡]	< LOQ		0.500			Chlorpyrifos [‡]	< LOQ		0.100										
Clofentezine [‡]	< LOQ		0.100			Cyfluthrin [‡]	< LOQ		0.500										
Cypermethrin [‡]	< LOQ		0.500			Daminozide [‡]	< LOQ		0.500										
Diazinon [‡]	< LOQ		0.100			Dichlorvos [‡]	< LOQ		0.500										
Dimethoate [‡]	< LOQ		0.100			Ethoprophos [‡]	< LOQ		0.100										
Etofenprox [‡]	< LOQ		0.200			Etoxazole [‡]	< LOQ		0.100										
Fenoxycarb [‡]	< LOQ		0.100			Fenpyroximate [‡]	< LOQ		0.200										
Fipronil [‡]	< LOQ		0.200			Flonicamid [‡]	< LOQ		0.400										
Fludioxonil [‡]	< LOQ		0.200			Hexythiazox [‡]	< LOQ		0.400										
Imazalil [‡]	< LOQ		0.100			Imidacloprid [‡]	< LOQ		0.200										
Kresoxim-methyl [‡]	< LOQ		0.200			Malathion [‡]	< LOQ		0.100										
Metalaxyl [‡]	< LOQ		0.100			Methiocarb [‡]	< LOQ		0.100										
Methomyl [‡]	< LOQ		0.200			MGK-264 [‡]	< LOQ		0.100										
Myclobutanil [‡]	< LOQ		0.100			Naled [‡]	< LOQ		0.250										
Oxamyl [‡]	< LOQ		0.500			Paclotubrazole [‡]	< LOQ		0.200										
Parathion-Methyl [‡]	< LOQ		0.100			Permethrin [‡]	< LOQ		0.100										
Phosmet [‡]	< LOQ		0.100			Piperonyl butoxide [‡]	< LOQ		1.00										
Prallethrin [‡]	< LOQ		0.100			Propiconazole [‡]	< LOQ		0.200										
Propoxur [‡]	< LOQ		0.100			Pyrethrin I (total) [‡]	< LOQ		0.500										
Pyridaben [‡]	< LOQ		0.100			Spinosad [‡]	< LOQ		0.100										
Spiromesifen [‡]	< LOQ		0.100			Spirotetramat [‡]	< LOQ		0.100										
Spiroxamine [‡]	< LOQ		0.200			Tebuconazole [‡]	< LOQ		0.200										
Thiacloprid [‡]	< LOQ		0.100			Thiamethoxam [‡]	< LOQ		0.100										
Trifloxystrobin [‡]	< LOQ		0.100																



Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2306787	Analyze 04/27/23 02:47 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
Geraniol	< LOQ	0.019	0.00%		farnesene	< LOQ	0.019	0.00%	
(+)-Borneol	< LOQ	0.019	0.00%		(-)-a-Terpineol	< LOQ	0.019	0.00%	
Geranyl acetate	< LOQ	0.019	0.00%		a-phellandrene	< LOQ	0.019	0.00%	
Menthol	< LOQ	0.019	0.00%		valencene	< LOQ	0.019	0.00%	
(±)-fenchone	< LOQ	0.019	0.00%		(+)-Pulegone	< LOQ	0.019	0.00%	
Isoborneol	< LOQ	0.019	0.00%		Humulene	< LOQ	0.019	0.00%	
(R)-(+)-Limonene	< LOQ	0.019	0.00%		gamma-Terpinene	< LOQ	0.019	0.00%	
d-3-Carene	< LOQ	0.019	0.00%		β-Myrcene	< LOQ	0.019	0.00%	
(-)-caryophyllene oxide	< LOQ	0.019	0.00%		(-)-Guaiol	< LOQ	0.019	0.00%	
(-)-Isopulegol	< LOQ	0.019	0.00%		(-)-β-Pinene	< LOQ	0.019	0.00%	
(+)-Cedrol	< LOQ	0.019	0.00%		(+)-fenchol	< LOQ	0.019	0.00%	
(±)-Camphor	< LOQ	0.019	0.00%		(±)-cis-Nerolidol	< LOQ	0.019	0.00%	
(±)-trans-Nerolidol	< LOQ	0.019	0.00%		a-Bisabolol	< LOQ	0.019	0.00%	
a-cedrene	< LOQ	0.019	0.00%		a-pinene	< LOQ	0.019	0.00%	
a-Terpinene	< LOQ	0.019	0.00%		Camphene	< LOQ	0.019	0.00%	
cis-β-Ocimene	< LOQ	0.006	0.00%		Eucalyptol	< LOQ	0.019	0.00%	
Linalool	< LOQ	0.019	0.00%		nerol	< LOQ	0.019	0.00%	
p-Cymene	< LOQ	0.019	0.00%		Sabinene	< LOQ	0.019	0.00%	
Sabinene hydrate	< LOQ	0.019	0.00%		β-Caryophyllene	< LOQ	0.019	0.00%	
Terpinolene	< LOQ	0.019	0.00%		trans-β-Ocimene	< LOQ	0.012	0.00%	
Total Terpenes	< LOQ								

Metals							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Arsenic [‡]	< LOQ		mg/kg	0.0145	2306742	04/25/23 AOAC 2013.06 (mod.) ^P	
Cadmium [‡]	0.0770		mg/kg	0.0150	2306795	04/27/23 AOAC 2013.06 (mod.) ^P	
Lead [‡]	< LOQ		mg/kg	0.0145	2306742	04/25/23 AOAC 2013.06 (mod.) ^P	
Mercury [‡]	< LOQ		mg/kg	0.00724	2306742	04/25/23 AOAC 2013.06 (mod.) ^P	

Mycotoxins							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aflatoxin B2 [‡]	< LOQ		µg/kg	5.00	2306776	04/27/23 AOAC 2007.01 & EN 15662 (mod) ^P	
Aflatoxin B1 [‡]	< LOQ		µg/kg	5.00	2306776	04/27/23 AOAC 2007.01 & EN 15662 (mod) ^P	
Aflatoxin G1 [‡]	< LOQ		µg/kg	5.00	2306776	04/27/23 AOAC 2007.01 & EN 15662 (mod) ^P	
Aflatoxin G2 [‡]	< LOQ		µg/kg	5.00	2306776	04/27/23 AOAC 2007.01 & EN 15662 (mod) ^P	
Ochratoxin A [‡]	< LOQ		µg/kg	5.00	2306776	04/27/23 AOAC 2007.01 & EN 15662 (mod) ^P	
Total Aflatoxins [‡]	0.000		µg/kg	20.0		04/27/23 AOAC 2007.01 & EN 15662 (mod) ^P	



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

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

g = g

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2306662

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0315	0.030	%	103	80.0	- 120	Acceptable	
CBDV	2	0.0301	0.030	%	102	80.0	- 120	Acceptable	
CBE	2	0.0347	0.034	%	102	80.0	- 120	Acceptable	
CBDA	1	0.0306	0.031	%	99.1	90.0	- 110	Acceptable	
CBGA	1	0.0258	0.026	%	99.9	80.0	- 120	Acceptable	
CBG	1	0.0312	0.031	%	100	80.0	- 120	Acceptable	
CBD	1	0.0275	0.027	%	100	90.0	- 110	Acceptable	
THCV	2	0.0238	0.023	%	105	80.0	- 120	Acceptable	
d8THCV	2	0.0270	0.027	%	102	80.0	- 120	Acceptable	
THCVA	2	0.0322	0.031	%	103	80.0	- 120	Acceptable	
CBN	1	0.0275	0.027	%	102	80.0	- 120	Acceptable	
exo-THC	2	0.0312	0.031	%	102	80.0	- 120	Acceptable	
d9THC	1	0.0331	0.031	%	106	90.0	- 110	Acceptable	
d8THC	1	0.0317	0.031	%	102	90.0	- 110	Acceptable	
9S-d10THC	1	0.0323	0.031	%	103	80.0	- 120	Acceptable	
CBL	2	0.0343	0.032	%	106	80.0	- 120	Acceptable	
9R-d10THC	1	0.0301	0.032	%	94.3	80.0	- 120	Acceptable	
CBG	2	0.0306	0.030	%	101	80.0	- 120	Acceptable	
THCA	1	0.0361	0.036	%	100	90.0	- 110	Acceptable	
CBGA	2	0.0324	0.032	%	100	80.0	- 120	Acceptable	
CBLA	2	0.0325	0.032	%	101	80.0	- 120	Acceptable	
CBT	2	0.0327	0.033	%	98.9	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
9S-d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
9R-d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2306662						
Sample Duplicate		Sample ID: 23-004837-0001						
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	0.0041	0.0042	0.003	%	2.54	< 20	Acceptable	
CBG	0.0118	0.0119	0.003	%	1.43	< 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	0.247	0.250	0.003	%	1.14	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0053	0.0053	0.003	%	1.24	< 20	Acceptable	
THCA	0.0070	0.0071	0.003	%	1.52	< 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

Units of Measure:

% - Percent



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Revision: 3 Document ID: 3120
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg			Batch ID: 2306747			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.912	1.000	91.2	50.0	150
Acephate	0.008	< 0.200		0.789	0.800	98.6	60.0	120
Acetaminocyl	0.000	< 1.000		3.984	4.000	99.6	40.0	160
Acetamiprid	0.000	< 0.100		0.400	0.400	100.0	60.0	120
Aldicarb	0.000	< 0.200		0.854	0.800	106.7	60.0	120
Azoxystrobin	0.005	< 0.100		0.401	0.400	100.3	60.0	120
Bifenazate	0.000	< 0.100		0.418	0.400	104.4	60.0	120
Bifenthrin	0.000	< 0.100		0.396	0.400	99.0	50.0	150
Boscalid	0.000	< 0.200		0.745	0.800	93.1	60.0	120
Carbaryl	0.000	< 0.100		0.400	0.400	100.0	60.0	120
Carbofuran	0.000	< 0.100		0.414	0.400	103.4	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.399	0.400	99.7	60.0	120
Chlorfenapyr	0.000	< 0.500		2.191	2.000	109.6	60.0	120
Chlorpyrifos	0.000	< 0.100		0.401	0.400	100.3	60.0	120
Clofentazine	0.000	< 0.100		0.367	0.400	91.6	60.0	120
Cyfluthrin	0.000	< 0.500		1.965	2.000	98.3	50.0	150
Cypermethrin	0.064	< 0.500		1.967	2.000	98.4	50.0	150
Daminozide	0.000	< 0.500		0.691	2.000	34.5	60.0	120
Diazinon	0.000	< 0.100		0.421	0.400	105.2	60.0	120
Dichlorvos	0.000	< 0.500		1.977	2.000	98.9	60.0	120
Dimethoate	0.000	< 0.100		0.404	0.400	101.0	60.0	120
Ethoprophos	0.000	< 0.100		0.404	0.400	101.0	60.0	120
Etofenprox	0.000	< 0.200		0.814	0.800	101.7	50.0	150
Etoxazole	0.000	< 0.100		0.411	0.400	102.9	60.0	120
Fenoxycarb	0.000	< 0.100		0.392	0.400	97.9	60.0	120
Fenpyroximate	0.000	< 0.200		0.827	0.800	103.3	60.0	120
Fipronil	0.000	< 0.200		0.825	0.800	103.1	60.0	120
Fonicamid	0.000	< 0.250		1.076	1.000	107.6	60.0	120
Fludioxonil	0.000	< 0.200		0.788	0.800	98.5	50.0	150
Hexythiazox	0.000	< 0.250		0.985	1.000	98.5	60.0	120
Imazalil	0.000	< 0.100		0.394	0.400	98.5	60.0	120
Imidacloprid	0.000	< 0.200		0.842	0.800	105.2	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.777	0.800	97.2	60.0	120
Malathion	0.000	< 0.100		0.398	0.400	99.5	60.0	120
Metaxalyl	0.000	< 0.100		0.396	0.400	99.1	60.0	120
Methiocarb	0.000	< 0.100		0.396	0.400	99.0	60.0	120
Methomyl	0.000	< 0.200		0.857	0.800	107.2	60.0	120
MGK-264	0.000	< 0.100		0.400	0.400	99.9	50.0	150
Myclobutanil	0.000	< 0.100		0.400	0.400	100.0	60.0	120
Naled	0.000	< 0.250		0.970	1.000	97.0	50.0	150
Oxamyl	0.000	< 0.500		2.091	2.000	104.6	60.0	120
Paclotrazole	0.000	< 0.200		0.812	0.800	101.5	60.0	120
Parathion-Methyl	0.000	< 0.100		0.371	0.400	92.7	50.0	150
Permethrin	0.004	< 0.100		0.393	0.400	98.2	50.0	150
Phosmet	0.000	< 0.100		0.393	0.400	98.3	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.982	2.000	99.1	60.0	120
Prallethrin	0.000	< 0.100		0.390	0.400	97.5	60.0	120
Propiconazole	0.000	< 0.200		0.807	0.800	100.9	60.0	120
Propoxur	0.000	< 0.100		0.405	0.400	101.2	60.0	120
Pyrethrin (Summe)	0.001	< 0.100		0.496	0.488	101.7	60.0	120
Pyridaben	0.000	< 0.100		0.398	0.400	99.6	50.0	150
Spirosad	0.000	< 0.100		0.398	0.388	102.5	50.0	150
Spiromesifen	0.000	< 0.100		0.400	0.400	99.9	60.0	120
Spirotetramat	0.000	< 0.100		0.391	0.400	97.8	60.0	120
Spiroxamine	0.000	< 0.200		0.801	0.800	100.2	60.0	120
Tebuconazole	0.000	< 0.200		0.801	0.800	100.1	60.0	120
Thiacloprid	0.000	< 0.100		0.406	0.400	101.4	60.0	120
Thiamethoxam	0.000	< 0.100		0.421	0.400	105.2	60.0	120
Trifloxystrobin	0.000	< 0.100		0.399	0.400	99.6	60.0	120

Q6



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Revision: 3 Document ID: 3120
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2306747				
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 23-004564-0001									
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Abamectin	0.000	0.656	0.697	1.000	5.9%	< 30	65.6%	69.7%	50 - 150		
Acephate	0.002	0.753	0.711	0.800	5.8%	< 30	93.8%	88.6%	50 - 150		
Acequinocyl	0.000	1.474	1.601	4.000	8.2%	< 30	36.9%	40.0%	50 - 150	Q	
Acetamiprid	0.000	0.362	0.353	0.400	2.5%	< 30	90.6%	88.4%	50 - 150		
Aldicarb	0.000	0.774	0.729	0.800	6.0%	< 30	96.7%	91.1%	50 - 150		
Azoxystrobin	0.000	0.311	0.301	0.400	3.6%	< 30	77.9%	75.1%	50 - 150		
Bifenazate	0.000	0.304	0.292	0.400	4.0%	< 30	76.0%	72.9%	50 - 150		
Bifenthrin	0.000	0.169	0.172	0.400	2.2%	< 30	42.1%	43.1%	50 - 150	Q	
Boscalid	0.000	0.577	0.574	0.800	0.6%	< 30	72.2%	71.7%	50 - 150		
Carbaryl	0.000	0.294	0.280	0.400	4.8%	< 30	73.6%	70.1%	50 - 150		
Carbofuran	0.000	0.333	0.319	0.400	4.3%	< 30	83.1%	79.7%	50 - 150		
Chlorantraniliprole	0.000	0.365	0.343	0.400	6.3%	< 30	91.3%	85.8%	50 - 150		
Chlorfenapyr	0.000	1.522	1.697	2.000	10.9%	< 30	76.1%	84.9%	50 - 150		
Chlorpyrifos	0.000	0.396	0.384	0.400	2.9%	< 30	98.9%	96.1%	50 - 150		
Clofentazine	0.000	0.266	0.283	0.400	6.2%	< 30	66.4%	70.6%	50 - 150		
Cyfluthrin	0.000	0.734	0.782	2.000	6.4%	< 30	36.7%	39.1%	30 - 150		
Cypermethrin	0.000	1.462	1.526	2.000	4.2%	< 30	73.1%	76.3%	50 - 150		
Daminozide	0.000	0.682	0.648	2.000	5.1%	< 30	34.1%	32.4%	30 - 150		
Diazinon	0.000	0.224	0.230	0.400	2.7%	< 30	56.0%	57.6%	50 - 150		
Dichlorvos	0.000	1.654	1.526	2.000	8.1%	< 30	82.7%	76.3%	50 - 150		
Dimethoate	0.000	0.371	0.349	0.400	6.0%	< 30	92.7%	87.3%	50 - 150		
Ethoprophos	0.000	0.255	0.266	0.400	4.3%	< 30	63.8%	66.6%	50 - 150		
Etofenprox	0.000	0.408	0.422	0.800	3.3%	< 30	51.0%	52.8%	50 - 150		
Etoxazole	0.000	0.285	0.289	0.400	1.3%	< 30	71.4%	72.3%	50 - 150		
Fenoxycarb	0.000	0.286	0.294	0.400	2.6%	< 30	71.6%	73.5%	50 - 150		
Fenpyroximate	0.000	0.274	0.273	0.800	0.7%	< 30	34.3%	34.1%	50 - 150	Q	
Fipronil	0.000	0.513	0.480	0.800	6.6%	< 30	64.2%	60.0%	50 - 150		
Fonicamid	0.000	0.995	0.940	1.000	5.7%	< 30	99.5%	94.0%	50 - 150		
Fludioxonil	0.000	1.021	1.039	0.800	1.8%	< 30	127.6%	129.9%	50 - 150		
Hexythiazox	0.000	0.778	0.804	1.000	3.2%	< 30	77.8%	80.4%	50 - 150		
Imazalil	0.005	0.332	0.347	0.400	4.3%	< 30	81.8%	85.5%	50 - 150		
Imidacloprid	0.000	0.793	0.779	0.800	1.8%	< 30	99.1%	97.3%	50 - 150		
Kresoxim-methyl	0.000	0.565	0.595	0.800	5.2%	< 30	70.6%	74.4%	50 - 150		
Malathion	0.016	0.269	0.286	0.400	6.7%	< 30	63.2%	67.6%	50 - 150		
Metaxalyl	0.003	0.322	0.324	0.400	0.7%	< 30	79.9%	80.4%	50 - 150		
Methiocarb	0.000	0.303	0.293	0.400	3.1%	< 30	75.7%	73.3%	50 - 150		
Methomyl	0.000	0.784	0.750	0.800	4.5%	< 30	98.1%	93.8%	50 - 150		
MGK-264	0.000	0.205	0.221	0.400	7.9%	< 30	51.2%	55.4%	50 - 150		
Myclobutanil	0.006	0.318	0.321	0.400	0.8%	< 30	78.0%	78.6%	50 - 150		
Naled	0.000	0.759	0.708	1.000	7.0%	< 30	75.9%	70.8%	50 - 150		
Oxamyl	0.000	1.900	1.832	2.000	3.6%	< 30	95.0%	91.6%	50 - 150		
Pacllobutrazole	0.000	0.582	0.577	0.800	1.0%	< 30	72.8%	72.1%	50 - 150		
Parathion-Methyl	0.000	0.193	0.194	0.400	1.0%	< 30	48.1%	48.6%	30 - 150		
Permethrin	0.005	0.202	0.209	0.400	3.8%	< 30	49.1%	51.0%	50 - 150	Q	
Phosmet	0.000	0.303	0.303	0.400	0.1%	< 30	75.8%	75.7%	50 - 150		
Piperonyl butoxide	0.000	1.413	1.536	2.000	8.4%	< 30	70.7%	76.8%	50 - 150		
Prallethrin	0.000	0.242	0.259	0.400	7.1%	< 30	60.4%	64.8%	50 - 150		
Propiconazole	0.000	0.642	0.651	0.800	1.4%	< 30	80.3%	81.4%	50 - 150		
Propoxur	0.000	0.344	0.327	0.400	5.0%	< 30	86.1%	81.8%	50 - 150		
Pyrethrin (Summe)	0.012	0.268	0.296	0.488	10.6%	< 30	52.5%	58.4%	50 - 150		
Pyridaben	0.000	0.272	0.289	0.400	5.8%	< 30	68.1%	72.1%	50 - 150		
Spirosad	0.000	0.273	0.274	0.388	0.3%	< 30	70.4%	70.6%	50 - 150		
Spiromesifen	0.000	0.317	0.320	0.400	1.1%	< 30	79.2%	80.0%	50 - 150		
Spirotetramat	0.000	0.487	0.481	0.400	1.3%	< 30	121.7%	120.2%	50 - 150		
Spiroxamine	0.000	0.656	0.685	0.800	4.3%	< 30	82.0%	85.7%	50 - 150		
Tebuconazole	0.000	0.583	0.622	0.800	6.4%	< 30	72.9%	77.7%	50 - 150		
Thiacloprid	0.000	0.371	0.349	0.400	6.3%	< 30	92.8%	87.2%	50 - 150		
Thiamethoxam	0.000	0.366	0.359	0.400	2.1%	< 30	91.6%	89.7%	50 - 150		
Trifloxystrobin	0.000	0.278	0.280	0.400	0.8%	< 30	69.4%	70.0%	50 - 150		



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Revision: 1 Document ID: 7086
Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference: EPA 5035				Batch ID: 2306787					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		477	500	µg/g	95%	70 - 130	
Camphene	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
Sabinene	<LOQ	< 200		468	500	µg/g	94%	70 - 130	
b-Pinene	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
b-Myrcene	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
a-phellandrene	<LOQ	< 200		483	500	µg/g	97%	70 - 130	
d-3-Carene	<LOQ	< 200		480	500	µg/g	96%	70 - 130	
a-Terpinene	<LOQ	< 200		490	500	µg/g	98%	70 - 130	
p-Cymene	<LOQ	< 200		461	500	µg/g	92%	70 - 130	
D-Limonene	<LOQ	< 200		485	500	µg/g	97%	70 - 130	
Eucalyptol	<LOQ	< 200		479	500	µg/g	96%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		152	167	µg/g	91%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		329	333	µg/g	99%	70 - 130	
g-Terpinene	<LOQ	< 200		463	500	µg/g	93%	70 - 130	
Sabinene Hydrate	<LOQ	< 200		493	500	µg/g	99%	70 - 130	
Terpinolene	<LOQ	< 200		489	500	µg/g	98%	70 - 130	
D-Fenchone	<LOQ	< 200		477	500	µg/g	95%	70 - 130	
Linalool	<LOQ	< 200		508	500	µg/g	102%	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		488	500	µg/g	98%	70 - 130	
Isoborneol	<LOQ	< 200		480	500	µg/g	96%	70 - 130	
Borneol	<LOQ	< 200		499	500	µg/g	100%	70 - 130	
DL-Menthol	<LOQ	< 200		465	500	µg/g	93%	70 - 130	
Terpineol	<LOQ	< 200		484	500	µg/g	97%	70 - 130	
Nerol	<LOQ	< 200		452	500	µg/g	90%	70 - 130	
Pulegone	<LOQ	< 200		500	500	µg/g	100%	70 - 130	
Geraniol	<LOQ	< 200		495	500	µg/g	99%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		474	500	µg/g	95%	70 - 130	
a-Cedrene	<LOQ	< 200		490	500	µg/g	98%	70 - 130	
b-Caryophyllene	<LOQ	< 200		484	500	µg/g	97%	70 - 130	
a-Humulene	<LOQ	< 200		506	500	µg/g	101%	70 - 130	
Valenene	<LOQ	< 200		466	500	µg/g	93%	70 - 130	
cis-Nerolidol	<LOQ	< 200		506	500	µg/g	101%	70 - 130	
a-Farnesene	<LOQ	< 200		554	500	µg/g	111%	70 - 130	
trans-Nerolidol	<LOQ	< 200		510	500	µg/g	102%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		494	500	µg/g	99%	70 - 130	
Guaiol	<LOQ	< 200		502	500	µg/g	100%	70 - 130	
Cedrol	<LOQ	< 200		502	500	µg/g	100%	70 - 130	
a-Bisabolol	<LOQ	< 200		497	500	µg/g	99%	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: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Revision: 1 Document ID: 7086
 Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference: EPA 5035		Batch ID: 2306787					
Sample/Sample Duplicate		Sample ID: 23-004881-0001					
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: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10



Revision: 2 Document ID: 7087
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2306790					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		296	584	µg/g	50.7	60 - 120	Q6
Isobutane	ND	< 200		396	767	µg/g	51.6	60 - 120	Q6
Butane	ND	< 200		427	782	µg/g	54.6	60 - 120	Q6
2,2-Dimethylpropane	ND	< 200		538	939	µg/g	57.3	60 - 120	Q6
Methanol	ND	< 200		1540	1610	µg/g	95.7	60 - 120	
Ethylene Oxide	ND	< 30		32.7	57.1	µg/g	57.3	60 - 120	Q6
2-Methylbutane	ND	< 200		1520	1600	µg/g	95.0	60 - 120	
Pentane	ND	< 200		1560	1610	µg/g	96.9	60 - 120	
Ethanol	ND	< 200		1540	1600	µg/g	96.3	70 - 130	
Ethyl Ether	ND	< 200		1520	1610	µg/g	94.4	60 - 120	
2,2-Dimethylbutane	ND	< 30		158	173	µg/g	91.3	60 - 120	
Acetone	ND	< 200		1510	1620	µg/g	93.2	60 - 120	
2-Propanol	ND	< 200		1510	1600	µg/g	94.4	60 - 120	
Ethyl Formate	ND	< 500		1640	1610	µg/g	101.9	70 - 130	
Acetonitrile	ND	< 100		452	488	µg/g	92.6	60 - 120	
Methyl Acetate	ND	< 500		1480	1610	µg/g	91.9	70 - 130	
2,3-Dimethylbutane	ND	< 30		146	165	µg/g	88.5	60 - 120	
Dichloromethane	ND	< 60		482	487	µg/g	99.0	60 - 120	
2-Methylpentane	ND	< 30		150	160	µg/g	93.8	60 - 120	
MTBE	ND	< 500		1550	1600	µg/g	96.9	70 - 130	
3-Methylpentane	ND	< 30		150	161	µg/g	93.2	60 - 120	
Hexane	ND	< 30		149	162	µg/g	92.0	60 - 120	
1-Propanol	ND	< 500		1560	1620	µg/g	96.3	70 - 130	
Methylethylketone	ND	< 500		1510	1610	µg/g	93.8	70 - 130	
Ethyl acetate	ND	< 200		1470	1600	µg/g	91.9	60 - 120	
2-Butanol	ND	< 200		1500	1610	µg/g	93.2	60 - 120	
Tetrahydrofuran	ND	< 100		451	483	µg/g	93.4	60 - 120	
Cyclohexane	ND	< 200		1490	1610	µg/g	92.5	60 - 120	
2-methyl-1-propanol	ND	< 500		1500	1630	µg/g	92.0	70 - 130	
Benzene	ND	< 1		4.82	4.98	µg/g	96.8	60 - 120	
Isopropyl Acetate	ND	< 200		1510	1610	µg/g	93.8	60 - 120	
Heptane	ND	< 200		1500	1620	µg/g	92.6	60 - 120	
1-Butanol	ND	< 500		1530	1600	µg/g	95.6	70 - 130	
Propyl Acetate	ND	< 500		1450	1620	µg/g	89.5	70 - 130	
1,4-Dioxane	ND	< 100		429	494	µg/g	86.8	60 - 120	
2-Ethoxyethanol	ND	< 30		164	165	µg/g	99.4	60 - 120	
Methylisobutylketone	ND	< 500		1510	1610	µg/g	93.8	70 - 130	
3-Methyl-1-butanol	ND	< 500		1540	1610	µg/g	95.7	70 - 130	
Ethylene Glycol	ND	< 200		422	486	µg/g	86.8	60 - 120	
Toluene	ND	< 100		437	513	µg/g	85.2	60 - 120	
Isobutyl Acetate	ND	< 500		1470	1600	µg/g	91.9	70 - 130	
1-Pentanol	ND	< 500		1500	1610	µg/g	93.2	70 - 130	
Butyl Acetate	ND	< 500		1470	1610	µg/g	91.3	70 - 130	
Ethylbenzene	ND	< 200		835	967	µg/g	86.3	60 - 120	
m,p-Xylene	ND	< 200		850	994	µg/g	85.5	60 - 120	
o-Xylene	ND	< 200		852	992	µg/g	85.9	60 - 120	
Cumene	ND	< 30		141	171	µg/g	82.5	60 - 120	
Anisole	ND	< 500		1300	1610	µg/g	80.7	70 - 130	
DMSO	ND	< 500		1350	1610	µg/g	83.9	70 - 130	
1,2-dimethoxyethane	ND	< 50		162	172	µg/g	94.2	70 - 130	
Triethylamine	ND	< 500		1520	1620	µg/g	93.8	70 - 130	
N,N-dimethylformamide	ND	< 150		442	499	µg/g	88.6	70 - 130	
N,N-dimethylacetamide	ND	< 150		453	491	µg/g	92.3	70 - 130	
Pyridine	ND	< 50		157	171	µg/g	91.8	70 - 130	
Sulfolane	ND	< 50		138	160	µg/g	86.3	70 - 130	
1,2-Dichloroethane	ND	< 1		0.864	1	µg/g	86.4	70 - 130	
Chloroform	ND	< 1		0.989	1	µg/g	98.9	70 - 130	
Trichloroethylene	ND	< 1		1.01	1	µg/g	101.0	70 - 130	
1,1-Dichloroethane	ND	< 1		1.01	1	µg/g	101.0	70 - 130	



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

QC - Sample Duplicate		Sample ID: 23-004824-0001						
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	863	839	200	µg/g	2.8	< 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	
Methyl ethyl ketone	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	100	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	
Sulfolane	ND	ND	50	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	
1,1-Dichloroethane	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
Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

µg/g- Microgram per gram or ppm



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



Report Number: 23-004881/D010.R000
Report Date: 05/08/2023
ORELAP#: OR100028
Purchase Order:
Received: 04/21/23 13:10





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.