



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



Report Number: 24-000187/D003.R001
Report Date: 01/19/2024
ORELAP#: OR100028
Purchase Order:
Received: 01/05/24 15:18

This is an amended version of report# 24-000187/D003.R000.
 Reason: Updated customer information.

Customer: RAZAD Enterprises LLC
Product identity: Live Delta 9 Caramel- Anytime 40mg
Client/Metric ID: 5004SH-010624
Laboratory ID: 24-000187-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.00521		%		THC-Total per Serving Size 40.8 mg/17.5g
CBD-A	0.00998		%		
CBG	0.00834		%		CBD-Total per Serving Size 1.53 mg/17.5g
Δ9-THC	0.233		%		
THCV	0.00454		%		(Reported in milligrams per serving)
Analyte per 17.5g	Result	Limits	Units	Status	
CBC per 17.5g	0.912		mg/17.5g		
CBD-A per 17.5g	1.75		mg/17.5g		
CBG per 17.5g	1.46		mg/17.5g		
Δ9-THC per 17.5g	40.8		mg/17.5g		
THCV per 17.5g	0.795		mg/17.5g		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: RAZAD Enterprises LLC

Product identity: Live Delta 9 Caramel- Anytime 40mg
Client/Metric ID: 5004SH-010624
Sample Date:
Laboratory ID: 24-000187-0001
Evidence of Cooling: No
Temp: 18 °C
Relinquished by: shipping
Serving Size #1: 17.5 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2400197	Analyze: 1/8/24 7:57:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00521		%	0.00332	
CBC-A	< LOQ		%	0.00332	
CBC-Total	< LOQ		%	0.00624	
CBD	< LOQ		%	0.00332	
CBD-A	0.00998		%	0.00332	
CBD-Total	0.00875		%	0.00624	
CBDV	< LOQ		%	0.00332	
CBDV-A	< LOQ		%	0.00332	
CBDV-Total	< LOQ		%	0.00620	
CBE	< LOQ		%	0.00332	
CBG	0.00834		%	0.00332	
CBG-A	< LOQ		%	0.00332	
CBG-Total	0.00834		%	0.00620	
CBL	< LOQ		%	0.00332	
CBL-A	< LOQ		%	0.00332	
CBL-Total	< LOQ		%	0.00624	
CBN	< LOQ		%	0.00332	
CBT	< LOQ		%	0.00332	
Δ8-THCV	< LOQ		%	0.00332	
Δ10-THC-9R	< LOQ		%	0.00332	
Δ10-THC-9S	< LOQ		%	0.00332	
Δ10-THC-Total	< LOQ		%	0.00664	
Δ8-THC	< LOQ		%	0.00332	
Δ9-THC	0.233		%	0.00332	
delta-9-THCP	< LOQ		%	0.00332	
exo-THC	< LOQ		%	0.00332	
THC-A	< LOQ		%	0.00332	
THC-Total	0.233		%	0.00624	
THCV	0.00454		%	0.00332	
THCV-A	< LOQ		%	0.00332	



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Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2400197	Analyze: 1/8/24 7:57:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
THCV-Total	< LOQ		%	0.00620	
Total Cannabinoids	0.261		%		

Potency per 17.5g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2400197	Analyze: 1/8/24 7:57:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 17.5g	0.912		mg/17.5g	0.581	
CBC-A per 17.5g	< LOQ		mg/17.5g	0.532	
CBC-Total per 17.5g	< LOQ		mg/17.5g	1.09	
CBD per 17.5g	< LOQ		mg/17.5g	0.532	
CBD-A per 17.5g	1.75		mg/17.5g	0.581	
CBD-Total per 17.5g	1.53		mg/17.5g	1.09	
CBDV per 17.5g	< LOQ		mg/17.5g	0.532	
CBDV-A per 17.5g	< LOQ		mg/17.5g	0.532	
CBDV-Total per 17.5g	< LOQ		mg/17.5g	0.992	
CBE per 17.5g	< LOQ		mg/17.5g	0.532	
CBG per 17.5g	1.46		mg/17.5g	0.581	
CBG-A per 17.5g	< LOQ		mg/17.5g	0.532	
CBG-Total per 17.5g	1.46		mg/17.5g	1.09	
CBL per 17.5g	< LOQ		mg/17.5g	0.532	
CBL-A per 17.5g	< LOQ		mg/17.5g	0.532	
CBL-Total per 17.5g	< LOQ		mg/17.5g	0.998	
CBN per 17.5g	< LOQ		mg/17.5g	0.532	
CBT per 17.5g	< LOQ		mg/17.5g	0.532	
Δ8-THCV per 17.5g	< LOQ		mg/17.5g	0.532	
Δ10-THC-9R per 17.5g	< LOQ		mg/17.5g	0.532	
Δ10-THC-9S per 17.5g	< LOQ		mg/17.5g	0.532	
Δ10-THC-Total per 17.5g	< LOQ		mg/17.5g	1.06	
Δ8-THC per 17.5g	< LOQ		mg/17.5g	0.532	
Δ9-THC per 17.5g	40.8		mg/17.5g	0.581	
delta-9-THCP per 17.5g	< LOQ		mg/17.5g	0.532	
exo-THC per 17.5g	< LOQ		mg/17.5g	0.532	
THC-A per 17.5g	< LOQ		mg/17.5g	0.532	
THC-Total per 17.5g	40.8		mg/17.5g	1.09	
THCV per 17.5g	0.795		mg/17.5g	0.581	
THCV-A per 17.5g	< LOQ		mg/17.5g	0.532	
THCV-Total per 17.5g	< LOQ		mg/17.5g	1.09	
Total Cannabinoids per 17.5g	45.7		mg/17.5g		



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2400163	01/08/24 AOAC 990.12 (Petrifilm) [Ⓟ]		
E.coli	< LOQ		cfu/g	10	2400161	01/08/24 AOAC 991.14 (Petrifilm) [Ⓟ]		
Total Coliforms	< LOQ		cfu/g	10	2400161	01/08/24 AOAC 991.14 (Petrifilm) [Ⓟ]		
Staphylococcus aureus	< LOQ		cfu/g	10	2400165	01/07/23 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2400162	01/09/24 AOAC 2014.05 (RAPID) [Ⓟ]		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2400162	01/09/24 AOAC 2014.05 (RAPID) [Ⓟ]		
Listeria spp.	Negative		/5g		2400168	01/07/24 AOAC 2019.10		I
Salmonella spp. by PCR [‡]	Negative		/5g		2400166	01/07/24 AOAC 2020.02 [Ⓟ]		I
EHEC including STEC [‡]	Negative		/5g		2400167	01/07/24 AOAC RI 121806 [Ⓟ]		I



Solvents						Method: Residual Solvents by GC/MS ^b						Units µg/g		Batch 2400232		Analyze 01/09/24 03:19 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes								
1-Butanol	< LOQ		500			1-Pentanol	< LOQ		500										
1,1-Dichloroethane	< LOQ		1.00			1,2-Dichloroethane	< LOQ		1.00										
1,2-Dimethoxyethane	< LOQ		50.0			1,4-Dioxane	< LOQ		100										
2-Butanol	< LOQ		200			2-Ethoxyethanol	< LOQ		30.0										
2-methyl-1-propanol	< LOQ		500			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-Methyl-(1)-Butanol	< LOQ		500										
3-Methylpentane	< LOQ		30.0			Acetic Acid	< LOQ		250										
Acetone	< LOQ		200			Acetonitrile	< LOQ		100										
Anisole	< LOQ		500			Benzene	< LOQ		1.00										
Butanes (sum)	< LOQ		400			Butyl acetate	< LOQ		500										
Chloroform	< LOQ		1.00			Cyclohexane	< LOQ		200										
DMSO	< LOQ		500			Ethanol	< LOQ		200										
Ethyl acetate	< LOQ		200			Ethyl benzene	< LOQ		200										
Ethyl ether	< LOQ		200			Ethyl Formate	< LOQ		500										
Ethylene glycol	< LOQ		200			Ethylene oxide	< LOQ		1.00										
Formic Acid	< LOQ		250			Hexanes (sum)	< LOQ		150										
Isobutyl acetate	< LOQ		500			Isopropyl acetate	< LOQ		200										
Isopropylbenzene (Cumene)	< LOQ		30.0			m,p-Xylene	< LOQ		200										
Methanol	< LOQ		200			Methyl-t-butyl ether	< LOQ		500										
Methylacetate	< LOQ		500			Methylene chloride	< LOQ		1.00										
Methylethylketone	< LOQ		500			Methylisobutylketone	< LOQ		500										
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200										
n-Heptane	< LOQ		200			n-Hexane	< LOQ		30.0										
n-Pentane	< LOQ		200			n-Propanol	< LOQ		500										
N,N-dimethylacetamide	< LOQ		200			N,N-dimethylformamide	< LOQ		200										
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ		600										
Propane	< LOQ		200			Propyl Acetate	< LOQ		500										
Pyridine	< LOQ		50.0			Sulfolane	< LOQ		50.0										
Tetrahydrofuran	< LOQ		100			Toluene	< LOQ		100										
Total Residual Solvents	< LOQ		5,000			Total Xylenes	< LOQ		400										
Total Xylenes and Ethyl benzene	< LOQ		600			Trichloroethylene	< LOQ		1.00										
Triethylamine	< LOQ		500																



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)						Units mg/kg		Batch 2400296		Analyze 01/11/24 10:26 AM	
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ		0.070			Acephate	< LOQ		0.020		
Acequinocyl	< LOQ		0.025			Acetamiprid	< LOQ		0.050		
Aldicarb	< LOQ		0.100			Allethrin	< LOQ		0.100		
Atrazine	< LOQ		0.025			Azadirachtin	< LOQ		0.500		
Azoxystrobin	< LOQ		0.010			Benzovindiflupyr	< LOQ		0.010		
Bifenazate	< LOQ		0.010			Bifenthrin	< LOQ		0.100		
Boscalid	< LOQ		0.010			Buprofezin	< LOQ		0.010		
Captan	< LOQ		0.700			Carbaryl	< LOQ		0.025		
Carbofuran	< LOQ		0.010			Chlorantraniliprole	< LOQ		0.010		
Chlordane (cis+trans)	< LOQ		0.100			Chlorfenapyr	< LOQ		0.100		
Chlorpyrifos	< LOQ		0.010			Clofentezine	< LOQ		0.010		
Clothianidin	< LOQ		0.025			Coumaphos	< LOQ		0.010		
Cyantraniliprole	< LOQ		0.010			Cyfluthrin	< LOQ		0.400		
Cyhalothrin,lambda	< LOQ		0.250			Cypermethrin	< LOQ		0.300		
Cyprodinil	< LOQ		0.010			Daminozide	< LOQ		0.050		
Deltamethrin	< LOQ		0.500			Diazinon	< LOQ		0.010		
Dichlorvos	< LOQ		0.050			Dimethoate	< LOQ		0.010		
Dimethomorph	< LOQ		0.050			Dinotefuran	< LOQ		0.050		
Diuron	< LOQ		0.125			Dodemorph	< LOQ		0.050		
Endosulfan I (alpha)	< LOQ		0.050			Endosulfan II (beta)	< LOQ		0.050		
Endosulfan sulfate	< LOQ		0.050			Ethoprophos	< LOQ		0.010		
Etofenprox	< LOQ		0.010			Etoxazole	< LOQ		0.010		
Etridiazole	< LOQ		0.050			Fenhexamid	< LOQ		0.100		
Fenoxycarb	< LOQ		0.010			Fenpyroximate	< LOQ		0.020		
Fensulfothion	< LOQ		0.010			Fenthion	< LOQ		0.010		
Fenvalerate	< LOQ		0.200			Fipronil	< LOQ		0.010		
Flonicamid	< LOQ		0.025			Fludioxonil	< LOQ		0.010		
Fluopyram	< LOQ		0.010			Hexythiazox	< LOQ		0.010		
Imazalil	< LOQ		0.010			Imidacloprid	< LOQ		0.010		
Iprodione	< LOQ		0.500			Kinoprene	< LOQ		0.050		
Kresoxim-methyl	< LOQ		0.010			Malathion	< LOQ		0.010		
Metalaxyl	< LOQ		0.010			Methiocarb	< LOQ		0.010		
Methomyl	< LOQ		0.025			Methoprene	< LOQ		1.00		
Mevinphos	< LOQ		0.025			MGK-264	< LOQ		0.050		
Myclobutanil	< LOQ		0.010			Naled	< LOQ		0.100		
Novaluron	< LOQ		0.025			Oxamyl	< LOQ		0.500		
Paclobutrazole	< LOQ		0.010			Parathion-Methyl	< LOQ		0.030		
Permethrin	< LOQ		0.040			Phenothrin	< LOQ		0.025		
Phosmet	< LOQ		0.010			Piperonyl butoxide	< LOQ		0.200		
Pirimicarb	< LOQ		0.010			Prallethrin	< LOQ		0.050		
Propiconazole	< LOQ		0.010			Propoxur	< LOQ		0.010		
Pyraclostrobin	< LOQ		0.010			Pyrethrins (total)	< LOQ		0.025		
Pyridaben	< LOQ		0.020			Pyriproxyfen	< LOQ		0.010		
Quintozene	< LOQ		0.020			Resmethrin	< LOQ		0.020		
Spinetoram	< LOQ		0.010			Spinosad	< LOQ		0.010		
Spirodiclofen	< LOQ		0.250			Spiromesifen	< LOQ		0.030		



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)						Units mg/kg	Batch 2400296	Analyze 01/11/24 10:26 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Spirotetramat	< LOQ		0.010			Spiroxamine	< LOQ		0.010		
Tebuconazole	< LOQ		0.010			Tebufenozide	< LOQ		0.010		
Teflubenzuron	< LOQ		0.025			Tetrachlorvinphos	< LOQ		0.010		
Tetramethrin	< LOQ		0.050			Thiabendazole	< LOQ		0.020		
Thiacloprid	< LOQ		0.010			Thiamethoxam	< LOQ		0.010		
Thiophanate-Methyl	< LOQ		0.030			Trifloxystrobin	< LOQ		0.010		

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes	
Arsenic*	< LOQ	0.200	mg/kg	0.0188	2400223	01/08/24	AOAC 2013.06 (mod.) ^P	pass		
Cadmium*	< LOQ	0.200	mg/kg	0.0188	2400223	01/08/24	AOAC 2013.06 (mod.) ^P	pass		
Lead*	< LOQ	0.500	mg/kg	0.0188	2400223	01/08/24	AOAC 2013.06 (mod.) ^P	pass		
Mercury*	< LOQ	0.100	mg/kg	0.00938	2400223	01/08/24	AOAC 2013.06 (mod.) ^P	pass		

Mycotoxins										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes	
Aflatoxin B1*	< LOQ		µg/kg	5.00	2400254	01/10/24	AOAC 2007.01 & EN 15662 (mod) ^P			
Aflatoxin B2*	< LOQ		µg/kg	5.00	2400254	01/10/24	AOAC 2007.01 & EN 15662 (mod) ^P			
Aflatoxin G1*	< LOQ		µg/kg	5.00	2400254	01/10/24	AOAC 2007.01 & EN 15662 (mod) ^P			
Aflatoxin G2*	< LOQ		µg/kg	5.00	2400254	01/10/24	AOAC 2007.01 & EN 15662 (mod) ^P			
Ochratoxin A*	< LOQ	20.0	µg/kg	5.00	2400254	01/10/24	AOAC 2007.01 & EN 15662 (mod) ^P	pass		
Total Aflatoxins*	0.000	20.0	µg/kg	20.0		01/12/24	AOAC 2007.01 & EN 15662 (mod) ^P	pass		



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Ⓟ = ISO/IEC 17025:2017 accredited method.

* = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = 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/17.5g = Milligram per 17.5g

/5g = Per 5 grams

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Approved Signatory

Derrick Tanner
General Manager



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Revision: 1 Document ID: TBA

Laboratory Quality Control Results

Organic Acids				Batch ID: 2400195						
Method Blank				Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes	
Acetic Acid	<LOQ	<	250	473	522	µg/g	90.6	70 - 130		
Formic Acid	<LOQ	<	250	543	557	µg/g	97.4	70 - 130		

QC - Sample Duplicate						Sample ID: LCS		
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Acetic Acid	<LOQ	<LOQ	250	µg/g	0.0	< 20	Acceptable	
Formic Acid	<LOQ	<LOQ	250	µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2400197

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0326	0.0329	%	99.2	80.0	- 120	Acceptable	
CBDV	2	0.0313	0.0322	%	97.4	80.0	- 120	Acceptable	
CBE	2	0.0344	0.0350	%	98.3	80.0	- 120	Acceptable	
CBDA	1	0.0319	0.0317	%	101	90.0	- 110	Acceptable	
CBGA	1	0.0317	0.0315	%	101	80.0	- 120	Acceptable	
CBG	1	0.0308	0.0309	%	99.9	80.0	- 120	Acceptable	
CBD	1	0.0343	0.0330	%	104	90.0	- 110	Acceptable	
THCV	2	0.0347	0.0352	%	98.7	80.0	- 120	Acceptable	
d8THCV	2	0.0302	0.0307	%	98.2	80.0	- 120	Acceptable	
THCVA	2	0.0315	0.0320	%	98.4	80.0	- 120	Acceptable	
CBN	1	0.0337	0.0330	%	102	80.0	- 120	Acceptable	
exo-THC	2	0.0307	0.0313	%	98.0	80.0	- 120	Acceptable	
d9THC	1	0.0341	0.0337	%	101	90.0	- 110	Acceptable	
d8THC	1	0.0343	0.0336	%	102	90.0	- 110	Acceptable	
9S-d10THC	1	0.0328	0.0326	%	101	80.0	- 120	Acceptable	
CBL	2	0.0320	0.0326	%	98.0	80.0	- 120	Acceptable	
9R-d10THC	1	0.0318	0.0318	%	100.0	80.0	- 120	Acceptable	
CBC	2	0.0320	0.0328	%	97.6	80.0	- 120	Acceptable	
THCA	1	0.0327	0.0322	%	101	90.0	- 110	Acceptable	
CBCA	2	0.0329	0.0334	%	98.5	80.0	- 120	Acceptable	
CBLA	2	0.0334	0.0343	%	97.4	80.0	- 120	Acceptable	
d9THCP	2	0.0321	0.0328	%	97.9	80.0	- 120	Acceptable	
CBT	2	0.0320	0.0341	%	93.9	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits		Evaluation
CBDVA	<LOQ	0.00304	%	< 0.00304		Acceptable
CBDV	<LOQ	0.00304	%	< 0.00304		Acceptable
CBE	<LOQ	0.00304	%	< 0.00304		Acceptable
CBDA	<LOQ	0.00304	%	< 0.00304		Acceptable
CBGA	<LOQ	0.00304	%	< 0.00304		Acceptable
CBG	<LOQ	0.00304	%	< 0.00304		Acceptable
CBD	<LOQ	0.00304	%	< 0.00304		Acceptable
THCV	<LOQ	0.00304	%	< 0.00304		Acceptable
d8THCV	<LOQ	0.00304	%	< 0.00304		Acceptable
THCVA	<LOQ	0.00304	%	< 0.00304		Acceptable
CBN	<LOQ	0.00304	%	< 0.00304		Acceptable
exo-THC	<LOQ	0.00304	%	< 0.00304		Acceptable
d9THC	<LOQ	0.00304	%	< 0.00304		Acceptable
d8THC	<LOQ	0.00304	%	< 0.00304		Acceptable
9S-d10THC	<LOQ	0.00304	%	< 0.00304		Acceptable
CBL	<LOQ	0.00304	%	< 0.00304		Acceptable
9R-d10THC	<LOQ	0.00304	%	< 0.00304		Acceptable
CBC	<LOQ	0.00304	%	< 0.00304		Acceptable
THCA	<LOQ	0.00304	%	< 0.00304		Acceptable
CBCA	<LOQ	0.00304	%	< 0.00304		Acceptable
CBLA	<LOQ	0.00304	%	< 0.00304		Acceptable
d9THCP	<LOQ	0.00304	%	< 0.00304		Acceptable
CBT	<LOQ	0.00304	%	< 0.00304		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: 24-000187/D003.R001
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Revision: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2400197						
Sample Duplicate		Sample ID: 24-000152-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBG	0.00394	0.00387	0.00313	%	1.99	< 20	Acceptable	
CBD	0.249	0.252	0.00313	%	1.13	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBN	0.00787	0.00797	0.00313	%	1.26	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
d9THC	0.249	0.253	0.00313	%	1.67	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00313	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2400232					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		706	584	µg/g	120.9	60 - 120	Q1
Isobutane	ND	< 200		891	767	µg/g	116.2	60 - 120	
Butane	ND	< 200		948	782	µg/g	121.2	60 - 120	Q1
2,2-Dimethylpropane	ND	< 200		1210	939	µg/g	128.9	60 - 120	Q1
Methanol	ND	< 200		1820	1600	µg/g	113.8	60 - 120	
Ethylene Oxide	ND	< 30		74.4	57.1	µg/g	130.3	60 - 120	Q1
2-Methylbutane	ND	< 200		1810	1600	µg/g	113.1	60 - 120	
Pentane	ND	< 200		1770	1600	µg/g	110.6	60 - 120	
Ethanol	ND	< 200		1660	1600	µg/g	103.8	70 - 130	
Ethyl Ether	ND	< 200		1740	1600	µg/g	108.8	60 - 120	
2,2-Dimethylbutane	ND	< 30		175	161	µg/g	108.7	60 - 120	
Acetone	ND	< 200		1760	1600	µg/g	110.0	60 - 120	
2-Propanol	ND	< 200		1780	1600	µg/g	111.3	60 - 120	
Ethyl Formate	ND	< 500		1440	1600	µg/g	90.0	70 - 130	
Acetonitrile	ND	< 100		545	488	µg/g	111.7	60 - 120	
Methyl Acetate	ND	< 500		1810	1610	µg/g	112.4	70 - 130	
2,3-Dimethylbutane	ND	< 30		180	163	µg/g	110.4	60 - 120	
Dichloromethane	ND	< 60		521	488	µg/g	106.8	60 - 120	
2-Methylpentane	ND	< 30		172	161	µg/g	106.8	60 - 120	
MTBE	ND	< 500		1930	1650	µg/g	117.0	70 - 130	
3-Methylpentane	ND	< 30		167	162	µg/g	103.1	60 - 120	
Hexane	ND	< 30		156	161	µg/g	96.9	60 - 120	
1-Propanol	ND	< 500		1880	1620	µg/g	116.0	70 - 130	
Methylethylketone	ND	< 500		1810	1610	µg/g	112.4	70 - 130	
Ethyl acetate	ND	< 200		1790	1610	µg/g	111.2	60 - 120	
2-Butanol	ND	< 200		1750	1610	µg/g	108.7	60 - 120	
Tetrahydrofuran	ND	< 100		524	483	µg/g	108.5	60 - 120	
Cyclohexane	ND	< 200		1720	1600	µg/g	107.5	60 - 120	
2-methyl-1-propanol	ND	< 500		1690	1600	µg/g	105.6	70 - 130	
Benzene	ND	< 1		3.36	4.99	µg/g	67.3	60 - 120	
Isopropyl Acetate	ND	< 200		1770	1600	µg/g	110.6	60 - 120	
Heptane	ND	< 200		1770	1600	µg/g	110.6	60 - 120	
1-Butanol	ND	< 500		1680	1610	µg/g	104.3	70 - 130	
Propyl Acetate	ND	< 500		1820	1610	µg/g	113.0	70 - 130	
1,4-Dioxane	ND	< 100		484	480	µg/g	100.8	60 - 120	
2-Ethoxyethanol	ND	< 30		160	161	µg/g	99.4	60 - 120	
Methylisobutylketone	ND	< 500		1750	1610	µg/g	108.7	70 - 130	
3-Methyl-1-butanol	ND	< 500		1630	1610	µg/g	101.2	70 - 130	
Ethylene Glycol	ND	< 200		355	481	µg/g	75.9	60 - 120	
Toluene	ND	< 100		514	483	µg/g	106.4	60 - 120	
Isobutyl Acetate	ND	< 500		1780	1610	µg/g	110.6	70 - 130	
1-Pentanol	ND	< 500		1670	1610	µg/g	103.7	70 - 130	
Butyl Acetate	ND	< 500		1720	1600	µg/g	107.5	70 - 130	
Ethylbenzene	ND	< 200		1060	962	µg/g	110.2	60 - 120	
m,p-Xylene	ND	< 200		1040	972	µg/g	107.0	60 - 120	
o-Xylene	ND	< 200		1030	965	µg/g	106.7	60 - 120	
Cumene	ND	< 30		178	169	µg/g	105.3	60 - 120	
Anisole	ND	< 500		1590	1600	µg/g	99.4	70 - 130	
DMSO	ND	< 500		1150	1600	µg/g	71.9	70 - 130	
1,2-dimethoxyethane	ND	< 50		189	163	µg/g	116.0	70 - 130	
Triethylamine	ND	< 500		1430	1600	µg/g	89.4	70 - 130	
N,N-dimethylformamide	ND	< 150		442	482	µg/g	91.7	70 - 130	
N,N-dimethylacetamide	ND	< 150		479	483	µg/g	99.2	70 - 130	
Pyridine	ND	< 50		154	161	µg/g	95.7	70 - 130	
Sulfone	ND	< 50		133	163	µg/g	81.6	70 - 130	
1,2-Dichloroethane	ND	< 1		1.09	1	µg/g	109.0	70 - 130	
Chloroform	ND	< 1		0.982	1	µg/g	98.2	70 - 130	
Trichloroethylene	ND	< 1		0.79	1	µg/g	79.0	70 - 130	
1,1-Dichloroethane	ND	< 1		0.933	1	µg/g	93.3	70 - 130	



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QC - Sample Duplicate		Sample ID: 24-000175-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
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	1.0761	1.0528	1	µg/g	2.2	< 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

Units of Measure:

µg/g - Microgram per gram or ppm



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.