



Certificate of Analysis

Powered by Confident Cannabis
1 of 17

sofresh farms

Portland, OR 97209
michelle@sofresh.farm
(503) 956-5266
Lic. # 020-100010499D8

Sample: PD170731-004

Strain: Bruce Banner
Batch #: G1; Batch Size: 2139 - grams
Ordered: 07/31/2017; Sampled: 07/31/2017; Completed: 08/07/2017; Expires: 08/07/2018

Bruce Banner

Plant, Flower - Cured,
Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001187; METRC Sample: 1A4010300001E17000001198



29.63%

Total THC

<LOQ

Total CBD

Cannabinoids

Pass

Potency-170802B-AP-HPLC2

08/02/2017 00:00:00

Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.1	33.45	334.5
Δ9-THC	1.0	0.29	2.9
CBD	1.0	<LOQ	<LOQ
CBDa	1.0	<LOQ	<LOQ
CBC	1.0	<LOQ	<LOQ
CBG	1.0	<LOQ	<LOQ
CBN	1.0	<LOQ	<LOQ
THCV	1.0	NR	NR
Δ8-THC	1.0	<LOQ	<LOQ
CBDV	1.0	NR	NR
Total		33.74	337.4

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

Method: HPLC/UV. ND = Not Detected, measured value below LOQ; LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. CBN, CBG, CBC & d8-THC are not accredited analytes under ORELAP.



14775 SW 74th Ave
Portland, OR 97224
(503) 954-3992
http://mrxlabs.com
OLCC: License # 10014885C6F

Kawai Medeiros
Lab Manager

Charles Lyle
Technical Manager

Confident Cannabis
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(866) 506-5866
www.confidentcannabis.com



In compliance with Oregon Administrative Rules 333-007-0300 to OAR 333-007-0490, OAR 333-064 and OAR 845-025-5000 to OAR 845-025-5075. MRX Labs is an ORELAP / TNI 2009 accredited and OLCC licensed facility. Microbiological and terpene tests are not accredited. Unless otherwise noted, laboratory control and quality control samples met the method acceptance criteria - data available upon requests. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of MRX Labs LLC.



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Moisture

M-080217-RK
08/02/2017 00:00:00

12.7%

Moisture



Percent Moisture is an accredited method by ORELAP. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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Water Activity

Pass

W-073117-RK

07/31/2017 00:00:00

0.4281_{aw}

Water Activity



Water Activity is an accredited method by ORELAP. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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Additional Documents



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

Job Number: 17-001522
Report Date: 08/07/2017
ORELAP#: OR100028
Purchase Order:
Received: 08/02/17 13:51



Customer: MRX Labs
14775 SW 74th Ave.
Portland Oregon
UNITED STATES

Product identity: PD170731-004 Bruce Banner
Client/Metric ID: 1A4010300003A38000001560
Sample Date: 07/31/17
Laboratory ID: 17-001522-0001
Grower: Subcontract
Relinquished by: Kawai Medeiros
Temp: 33 °C
Weight Received: 4.00 g

Sample Results

Pesticides	Method	AOAC 2007.1 & EN 15662 (mod)	Units mg/kg	Batch 1701532	Analyze 8/4/17 17:22
Analyte	Result	Limits LOQ Status Notes	Analyte	Result	Limits LOQ Status Notes
Abamectin (sum)	< LOQ	0.50 0.30 pass	Acephale	< LOQ	0.40 0.20 pass
Acequinocyl	< LOQ	2.00 1.00 pass	Acetamprid	< LOQ	0.20 0.10 pass
Aldicarb	< LOQ	0.40 0.20 pass	Azoxystrobin	< LOQ	0.20 0.10 pass
Bifenazate	< LOQ	0.20 0.10 pass	Bifenthrin	< LOQ	0.20 0.10 pass
Boscalid	< LOQ	0.40 0.10 pass	Carbaryl	< LOQ	0.20 0.10 pass
Carbofuran	< LOQ	0.20 0.10 pass	Chlorantranilprole	< LOQ	0.20 0.10 pass
Chlorfenapyr	< LOQ	1.00 1.00 pass	Chlorpyrifos	< LOQ	0.20 0.10 pass
Clofentezine	< LOQ	0.20 0.10 pass	Cyfluthrin (incl. Beta-Cyfl)	< LOQ	1.00 1.00 pass
Cypermethrin	< LOQ	1.00 1.00 pass	Daminozide	< LOQ	1.00 1.00 pass
Diazinon	< LOQ	0.20 0.10 pass	Dichlorvos	< LOQ	1.00 0.50 pass
Dimethoate	< LOQ	0.20 0.10 pass	Ethoprophos	< LOQ	0.20 0.10 pass
Etofenprox	< LOQ	0.40 0.10 pass	Etoxazole	< LOQ	0.20 0.10 pass
Fenoxycarb	< LOQ	0.20 0.10 pass	Fenpyroximate	< LOQ	0.40 0.10 pass
Fipronil	< LOQ	0.40 0.10 pass	Flonicamid	< LOQ	1.00 0.40 pass
Fludioxonil	< LOQ	0.40 0.10 pass	Hexythiazox	< LOQ	1.00 0.40 pass
Imazalil	< LOQ	0.20 0.10 pass	Imidacloprid	< LOQ	0.40 0.20 pass
Kresoxim-methyl	< LOQ	0.40 0.10 pass	Malathion	< LOQ	0.20 0.10 pass
Metalaxyl	< LOQ	0.20 0.10 pass	Methiocarb	< LOQ	0.20 0.10 pass
Methomyl	< LOQ	0.40 0.20 pass	Methyl Parathion	< LOQ	0.20 0.20 pass
MGK-264	< LOQ	0.20 0.10 pass	Myclobutanil	< LOQ	0.20 0.10 pass
Naled	< LOQ	0.50 0.20 pass	Oxamyl	< LOQ	1.00 0.40 pass
Paclitubutrazole	< LOQ	0.40 0.20 pass	Permethrin	< LOQ	0.20 0.10 pass
Phosmet	< LOQ	0.20 0.10 pass	Piperonyl butoxide	< LOQ	2.00 1.00 pass
Prallethrin	< LOQ	0.20 0.20 pass	Pipiconazole	< LOQ	0.40 0.20 pass
Propoxur	< LOQ	0.20 0.10 pass	Pyrethrins	< LOQ	1.00 0.50 pass

Page 1 of 8

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Testing in accordance with: OAR 333-007-0400



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Job Number: 17-001522
Report Date: 08/07/2017
ORELAP#: OR100028
Purchase Order:
Received: 08/02/17 13:51

Pesticides		Method AOAC 2007.1 & EN 15662 (mod)				Units mg/kg Batch 1701532		Analyze 8/4/17 17:22			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Pyridaben	< LOQ	0.20	0.10	pass		Spinosad	< LOQ	0.20	0.10	pass	
Spiromesifen	< LOQ	0.20	0.10	pass		Spirotramat	< LOQ	0.20	0.10	pass	
Spiroxamine	< LOQ	0.40	0.10	pass		Tebuconazole	< LOQ	0.40	0.20	pass	
Thiacloprid	< LOQ	0.20	0.10	pass		Thiamethoxam	< LOQ	0.20	0.10	pass	
Trifloxystrobin	< LOQ	0.20	0.10	pass							

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Job Number: 17-001522
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ORELAP#: OR100028
Purchase Order:
Received: 08/02/17 13:51

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.

Units of Measure

g = Gram
mg/kg = Milligram per kilogram
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

Page 3 of 8

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ORELAP#: OR100028
Purchase Order: 08/02/17 13:51
Received: 17-001522



Sent 08-02-17

Client: SOFRESH FARMS
Address: 2815 SW 10TH AVE
CITY: PORTLAND



MRX Sample ID	Lot # or Access Tag ID	Matrix	Sample Name	Client Name	Collect Date	Operator	Test Method	Test Result	Pass/Fail	Comments
PD170731-004	1A4010300001E17000001198	Dried Cannabis	Bruce Banner							
PD170731-004	1A4010300001E17000001187	Dried Cannabis	Bruce Banner							
PD170731-004	1A4010300001E17000001198	Dried Cannabis	Bruce Banner							

*Kawaii Medeiros
Michelle Lott*

8/2/17
1:51pm

Charles Lyle

33°C 8/2/17
13:51
PO1041

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ORELAP#: OR100028
Purchase Order:
Received: 08/02/17 13:51



OREGON LIQUOR CONTROL COMMISSION CANNABIS TRANSPORTATION MANIFEST

All sales transactions are to be completed prior to transportation of any CANNABIS. The receiving entity may reject product delivered, but amount delivered must be limited to amount agreed upon in prior sales transaction

Manifest #:	0000244843	Date Created:	8/2/2017 11:10 AM
Originating Entity:	MRX Labs	For OLCC Use Only	
Originating License Number:	010-10014885C6F		
Address of Originating Entity:	14775 SW 74th Ave, Suite B Portland, OR 97224		
Phone No. of Originating Entity:	503-954-3992		
Contact Phone No. for Inquiries:	503-954-3992		
Destination # 1:	PIXIS Labs	Destination Phone No.:	503-254-1794
Destination License Number:	010-10032240568	Date and Approximate Time of Departure:	8/2/2017 1:30 PM
Address of Destination:	12423 NE Whitaker Way Portland, OR 97230	Actual Date/Time of Departure:	
Route to be Traveled:	ISN 64E 122nd Ave	Date and Approximate Time of Arrival:	8/2/2017 2:30 PM
Package Label	Harvest Name	Item Name	Weight/Quantity
1A4010300003A38000001560	Bruce Banner GH R2 2017	Flower/Buds (Buds)	Shp: 4.0000 g
1A4010300003A38000001561	White Haze GH R2 2017	Flower/Buds (Buds)	Shp: 4.0000 g
1A4010300003A38000001562	Gelato GH R2 7-6-17	Flower/Buds (Buds)	Shp: 4.0000 g
1A4010300003A38000001563	Bruce Banner B1 R3 2017, Nukan B1 R3 2017	Flower/Buds (Buds)	Shp: 4.0000 g
PRODUCT REJECTION (if only a portion of shipment is rejected, circle that portion above)			
Name of Person Receiving or Rejecting Product:	Stefanie Nadek		
I confirm that the contents of this shipment match weight records entered above, and I agree to take custody of those portions of this shipment not circled above. Those portions circled were returned to the individual delivering this shipment.			
Signature:	[Signature]		
Signature of individual taking receipt of rejected portion of this shipment:	[Signature]		
Date:	8/2/17		
Name of Person Transporting:	Kawai Medeiros	Handler Permit No. of Driver:	015-10014899C6F
State Driver's License No.:	0166317	Signature of Person Transporting:	[Signature]
Make, Model, License Plate No.:	Jeep Compass 63LCLZ		

8/2/2017 11:10:59 AM 47:00

Page 1 of 1

Transfer Form (OR)
Manifest Form rev. 05/2017

Page 5 of 8

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ORELAP#: OR100028
Purchase Order:
Received: 08/02/17 13:51

Laboratory Pesticide Quality Control Results

ADAC 2007.1 & EN 15662		Units: mg/kg		Batch ID: 1701552				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limit	Notes	LCS Result	LCS Spike	LCS % Rec	Units	Notes
Permethrin	ND	< 0.200		0.004	0.000	100.0	70 - 130	
Acetamiprid	ND	< 1.000		0.068	0.000	100.0	70 - 130	
Abamectin	ND	< 0.100		0.402	0.000	100.0	70 - 130	
Abacarb	ND	< 0.200		0.076	0.000	100.0	70 - 130	
Azinphos-methyl	ND	< 0.200		0.087	0.000	100.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.451	0.000	100.0	70 - 130	
Bifenthrin	ND	< 0.100		0.441	0.000	100.0	70 - 130	
Bifenthrin	ND	< 0.100		0.454	0.000	100.0	70 - 130	
Boscalid	ND	< 0.100		0.028	0.000	100.0	70 - 130	
Carbaryl	ND	< 0.100		0.459	0.000	100.0	70 - 130	
Carbofuran	ND	< 0.100		0.459	0.000	100.0	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.413	0.000	100.0	70 - 130	
Chlorfenvinphos	ND	< 1.000		2.150	2.000	107.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.426	0.000	100.0	70 - 130	
Chlorzoxiprol	ND	< 0.100		0.250	0.000	62.8	70 - 130	Q3
Cyfluthrin	ND	< 1.000		0.702	0.000	97.8	30 - 150	
Cyromethrin	ND	< 1.000		0.046	0.000	100.0	70 - 130	
Dinotefuran	ND	< 1.000		0.214	0.000	26.0	30 - 150	Q1
Dinotefuran	ND	< 0.100		0.418	0.000	104.5	70 - 130	
Deltamethrin	ND	< 0.500		0.001	0.000	112.0	70 - 130	
Dimethoate	ND	< 0.100		0.443	0.000	100.0	70 - 130	
Ethioniazin	ND	< 0.100		0.447	0.000	111.0	70 - 130	
Ethioniazin	ND	< 0.100		0.398	0.000	117.0	70 - 130	
Ethioniazin	ND	< 0.100		0.440	0.000	110.0	70 - 130	
Fenoxycarb	ND	< 0.100		0.424	0.000	106.0	70 - 130	
Fenprophate	ND	< 0.100		0.099	0.000	112.4	70 - 130	
Fenvalerol	ND	< 0.100		0.085	0.000	110.0	70 - 130	
Fluralaner	ND	< 0.400		0.015	0.000	104.0	70 - 130	
Fluralaner	ND	< 0.100		0.019	0.000	114.0	70 - 130	
Hexythiazole	ND	< 0.400		0.001	0.000	112.0	70 - 130	
Imidacloprid	ND	< 0.100		0.450	0.000	112.5	70 - 130	
Imidacloprid	ND	< 0.200		0.047	0.000	118.4	70 - 130	
Imidacloprid	ND	< 0.100		0.047	0.000	105.0	70 - 130	
Malathion	ND	< 0.100		0.444	0.000	111.0	70 - 130	
Metolachlor	ND	< 0.100		0.441	0.000	100.0	70 - 130	
Metolachlor	ND	< 0.100		0.437	0.000	109.0	70 - 130	
Methoxyfenozide	ND	< 0.200		0.011	0.000	101.4	70 - 130	
MOA 204	ND	< 0.100		0.096	0.000	99.0	70 - 130	
MOA 204	ND	< 0.100		0.425	0.000	106.0	70 - 130	
Nitrofen	ND	< 0.200		0.017	0.000	101.0	70 - 130	
Permethrin	ND	< 0.400		0.017	0.000	101.0	70 - 130	
Permethrin	ND	< 0.200		0.017	0.000	114.4	70 - 130	
Permethrin	ND	< 0.200		0.017	0.000	101.0	70 - 130	
Permethrin	ND	< 0.100		0.442	0.000	100.0	70 - 130	
Phosmet	ND	< 0.100		0.440	0.000	100.0	70 - 130	
Pipernonylbutoxide	ND	< 1.000		0.004	0.000	113.0	70 - 130	
Prallethrin	ND	< 0.200		0.420	0.000	106.0	70 - 130	
Propiconazole	ND	< 0.200		0.046	0.000	109.8	70 - 130	
Propiconazole	ND	< 0.100		0.068	0.000	117.0	70 - 130	
Pyrethrin	ND	< 0.500		0.136	0.112	121.4	70 - 130	
Pyrethrin	ND	< 0.100		0.444	0.000	111.0	70 - 130	
Sonchid	ND	< 0.100		0.418	0.000	104.5	70 - 130	
Sorafenilfen	ND	< 0.100		0.448	0.000	112.0	70 - 130	
Sorafenilfen	ND	< 0.100		0.429	0.000	107.0	70 - 130	
Spinosad	ND	< 0.100		0.053	0.000	119.1	70 - 130	
Tefluthrin	ND	< 0.200		0.059	0.000	107.0	70 - 130	
Tefluthrin	ND	< 0.100		0.454	0.000	113.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.429	0.000	107.0	70 - 130	
Thiamethoxam	ND	< 0.100		0.451	0.000	112.8	70 - 130	

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Testing in accordance with: OAR 333.007.0400



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sofresh farms

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(503) 956-5266
Lic. # 020-100010499D8

Sample: PD170731-004

Strain: Bruce Banner
Batch #: G1; Batch Size: 2139 - grams

Ordered: 07/31/2017; Sampled: 07/31/2017; Completed: 08/07/2017; Expires: 08/07/2018

Bruce Banner

Plant, Flower - Cured,
Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001187; METRC Sample: 1A4010300001E17000001198



Additional Documents



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Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001187; METRC Sample: 1A4010300001E17000001198



Additional Documents



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



Job Number: 17-001522
Report Date: 08/07/2017
ORELAP#: OR100028
Purchase Order:
Received: 08/02/17 13:51

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.

Page 8 of 8

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Bruce Banner

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Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001187; METRC Sample: 1A4010300001E17000001198



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-170802B-AP-HPLC2		Cannabinoids	Blank

QC Notes

Method Blank				Matrix Blank			
Compound	Result	Blank Limits (%)	Notes	Compound	Result	Blank Limits (%)	Notes
CBDa	<LOQ	<0.1		CBDa	<LOQ	<0.1	
THCa	<LOQ	<0.1		THCa	<LOQ	<0.1	
CBD	<LOQ	<0.1		CBD	<LOQ	<0.1	
Δ9-THC	<LOQ	<0.1		Δ9-THC	<LOQ	<0.1	



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13 of 17

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Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001187; METRC Sample: 1A4010300001E17000001198



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-170802B-AP-HPLC2		Cannabinoids	Lab Control Sample

QC Notes

Compound	CCV Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
CBDa	133.63	125	106.904	90-110	
THCa	130.49	125	104.392	90-110	
CBD	132.86	125	106.288	90-110	
Δ9-THC	128.62	125	102.896	90-110	



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14 of 17

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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-170802B-AP-HPLC2		Cannabinoids	Sample Duplicate

QC Notes

Compound	Primary Sample Result (%)	Duplicate Sample Result (%)	% RSD	Limits (%)	Notes
CBDa	<LOQ	<LOQ	ERR	≤ 10	
THCa	20.7	21.2	1.68760568302	≤ 10	
CBD	<LOQ	<LOQ	ERR	≤ 10	
Δ9-THC	0.51	0.49	2.82842712475	≤ 10	



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Bruce Banner

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Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001187; METRC Sample: 1A4010300001E17000001198



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-170802B-AP-HPLC2		Cannabinoids	Spike

QC Notes

Compound	Post Spike Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
CBDa	25.31	25	101.24	80-120	
THCa	24.6	25	98.4	80-120	
CBD	25.57	25	102.28	80-120	
Δ9-THC	23.73	25	94.92	80-120	
Compound	Pre Spike Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
Δ8-THC	22.43	25	89.72	80-120	



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Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001187; METRC Sample: 1A4010300001E17000001198



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
M-080217-RK		Moisture	Blank

QC Notes

Compound	Tray Tare Weight (g)	Sample Weight (g)	Total Weight After Drying (g)	Recovery (%)	Recovery Limits (%)	Notes
Method Blank	1.2754	NA	1.2734	99.8431864513	95-105	
Control Blank	1.264	0.5184	1.2622	99.8575949367	95-105	



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Bruce Banner

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Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001187; METRC Sample: 1A4010300001E17000001198



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
W-073117-RK		Water Activity	Lab Control Sample

QC Notes

QC Type	Reported Standard (WA)	Expected Standard (WA)	Difference	Limit	Recorded Temp (C)	Expected Temp (C)	Difference	Limit	Notes
Beginning CCV	0.5032	0.5	0.0032	±0.005	24.84	25	0.16	±4	
Beginning CCV	0.7567	0.76	0.0033	±0.005	24.89	25	0.11	±4	
Ending CCV	0.4991	0.5	0.0009	±0.005	24.82	25	0.18	±4	
Ending CCV	0.7559	0.76	0.0041	±0.005	24.83	25	0.17	±4	



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