



Certificate of Analysis

Powered by Confident Cannabis
1 of 6

sofresh farms

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

Sample: PD171115-025

Strain: Bruce Banner
Batch#: BrBDPOD2017; Batch Size: 3170 - grams
Sample Received: 11/15/2017; Report Created: 11/22/2017; Expires: 11/22/2018
10 Day Date: 11/29/17

Bruce Banner

Plant, Flower - Cured
Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001704; METRC Sample: 1A4010300001E17000001709



26.92%
Total THC

ND
Total CBD

Cannabinoids

Potency-171116B-AP-HPLC3
11/16/2017

Pass

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.10	30.43	304.3
Δ9-THC	0.10	0.23	2.3
Δ8-THC	0.10	ND	ND
CBDa	0.10	ND	ND
CBD	0.10	ND	ND
CBN	0.10	<LOQ	<LOQ
CBG	0.10	ND	ND
CBC	0.10	<LOQ	<LOQ
Total		30.66	306.6

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.



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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 term "Informational Use Only-Not for Regulatory Use" indicates the samples were not taken in accordance with the Sampling Protocols and no QC was run with associated samples. The report may not be reproduced except in full, without the written permission of MRX Labs LLC.



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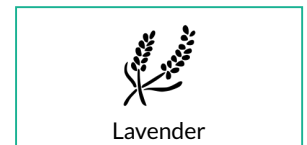
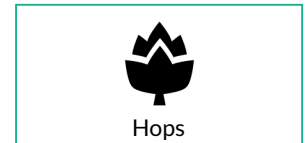
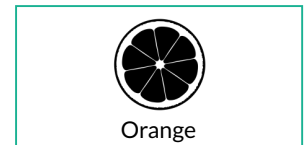


Terpenes

20 Nov 2017-TP-BB
11/20/2017

Analyte	LOQ	Mass	Mass	
	PPM	PPM	mg/g	
δ-Limonene	125.90	2856.71	2.86	
β-Caryophyllene	125.38	2037.53	2.04	
β-Myrcene	62.50	1795.92	1.80	
α-Humulene	125.24	768.14	0.77	
Linalool	125.90	408.73	0.41	
β-Pinene	125.96	380.43	0.38	
α-Pinene	250.00	275.50	0.28	
3-Carene	125.34	ND	ND	
α-Bisabolol	125.66	ND	ND	
α-Terpinene	125.30	ND	ND	
Camphene	126.10	<LOQ	<LOQ	
γ-Terpinene	126.14	ND	ND	
Guaiol	125.16	ND	ND	
Isopulegol	125.80	ND	ND	
Ocimene	125.42	<LOQ	<LOQ	
Terpinolene	126.14	<LOQ	<LOQ	

Primary Aromas



8,522.97 PPM
Total Terpenes

Method: GC/MS Headspace. ND = Not Detected, measured value below LOQ; LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Terpenes are not an ORELAP Accredited Test.



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-171116B-AP-HPLC3		Cannabinoids	Blank

QC Notes

None

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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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-171116B-AP-HPLC3		Cannabinoids	Lab Control Sample

QC Notes

None

Compound	CCV Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
CBDa	120.08	125	96.064	90-110	
THCa	118.23	125	94.584	90-110	
CBD	117.57	125	94.056	90-110	
Δ9-THC	123.4	125	98.72	90-110	



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-171116B-AP-HPLC3		Cannabinoids	Sample Duplicate

QC Notes

Δ -9 outside working limits, but remains within state regulations of less than 30%.

Compound	Primary Sample Result (%)	Duplicate Sample Result (%)	% RSD	Limits (%)	Notes
CBDa	< LOQ	< LOQ	ERR	≤ 10	
THCa	28.6	26.54	5.283	≤ 10	
CBD	< LOQ	< LOQ	ERR	≤ 10	
Δ 9-THC	0.48	0.41	11.123	≤ 10	



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-171116B-AP-HPLC3		Cannabinoids	Spike

QC Notes

None

Compound	Post Spike Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
CBDa	25.32	25	101.280	80-120	
THCa	25.31	25	101.24	80-120	
CBD	22.29	25	89.16	80-120	
Δ9-THC	22.51	25	90.04	80-120	
Compound	Pre Spike Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
Δ8-THC	21.88	25	87.52	80-120	



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