

Boring, OR 97009

(914) 850-4645

Certificate of Analysis

Analyte THCa ∆9-THC ∆8-THC THCVa THCV CBDa CBD CBDV CBNa CBN CBGa CBG CBCa CBC CBLa

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Oregon Fusion LLC

adam@oregonfusioncbd.com

Lic. #AG-R1040925IHG

Sample: 1809CH0213.0781

Strain: OF-Cascade Batch#: 2; Batch Size: 0 - grams Sample Received: 09/17/2018; Report Created: 09/26/2018; Expires: 09/26/2019 Harvest/Production Date: Sampling: Random; Environment: Room Temp



OF-Cascade Plant, Flower - Cured

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



Cannabinoids

240 HPLC3 20180920-3 09/20/2018

0.04%	13.63%
Δ9-ΤΗϹ	Total CBD** (Calculated Decarboxylated Potential)
19.12%	10.5%
Total Cannabinoids Analyzed	Moisture

Analyte	LOQ	Mass	Mass	
	mg/g	%	mg/g	
THCa		0.72	7.2	
∆9-THC		0.04	0.4	1
∆8-THC		<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
THCVa		<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
THCV		<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBDa		15.04	150.4	
CBD		0.44	4.4	
CBDV		0.04	0.4	1
CBNa		<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBN		0.01	0.1	1
CBGa		2.52	25.2	
CBG		0.27	2.7	1
CBCa		<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBC		0.04	0.4	1
CBLa		<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Total		19.12	191.2	

*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected



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Complete



Certificate of Analysis Informational Use Only - Not For Regulatory Use

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Oregon Fusion LLC

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OF-Cascade

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

Terpenes

338 GCFID1 20180918-1 09/18/2018

Analyte	Mass	Mass	LOQ	
	%	mg/g	%	
α-Pinene	0.39	3.9	0.02	
Camphene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Sabinene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
(-) -β-Pinene	0.14	1.4	0.02	
β-Myrcene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
α-Phellandrene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
δ-3-Carene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
α-Terpinene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
p-Isopropyltoluene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
δ-Limonene	0.16	1.6	0.02	
Eucalyptol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Ocimene 1	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Ocimene 2	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
y-Terpinene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Sabinene Hydrate	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Fenchone	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Terpinolene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Linalool	0.05	0.5	0.02	
Endo-Fenchyl Alcohol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Camphor	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
(-)-Isopulegol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	

Analyte	Mass	Mass	LOQ	
	%	mg/g	%	
Isoborneol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Borneol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Hexahydro Thymol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
α-Terpineol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
y-Terpineol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Nerol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Pulegone	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Geraniol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Farnesene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
α-Cedrene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
β-Caryophyllene	0.34	3.4	0.02	
α-Humulene	0.08	0.8	0.02	
Valencene	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Geranyl Acetate	0.30	3.0	0.02	
cis-Nerolidol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
β-Nerolidol	0.04	0.4	0.02	
trans-Nerolidol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Caryophyllene Oxide	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
(-)-Guaiol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
Cedrol	<loq< td=""><td><loq< td=""><td>0.02</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.02</td><td></td></loq<>	0.02	
(-)-α-Bisabolol	0.09	0.9	0.02	

Primary Aromas





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OF-Cascade Plant, Flower - Cured

Hant, Flower - Cured Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
240 HPLC3 20180920-3	PMB09191801H	Cannabinoids	Blank
QC Notes			
None			

Compounds	Blank Result	Blank Max % (LOQ)	Blank Result %	Notes
THCa	0	0.002	<loq< td=""><td>-</td></loq<>	-
Δ9-THC	0	0.002	<loq< td=""><td>-</td></loq<>	-
CBDa	0	0.002	<loq< td=""><td>-</td></loq<>	-
CBD	0	0.002	<loq< td=""><td>-</td></loq<>	-



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Strain: OF-Cascade Batch#: 2; Batch Size: 0 - grams Sample Received: 09/17/2018; Report Created: 09/26/2018; Expires: 09/26/2019 Harvest/Production Date: Sampling: Random; Environment: Room Temp

OF-Cascade Plant, Flower - Cured

Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
240 HPLC3 20180920-3	PLCS09191801H	Cannabinoids	Lab Control Sample
QC Notes			
None			

Compounds	LCS Result (%)	LCS Spike	LCS % Rec	% Limits	Notes
THCa	7.11	6.57	108.22	70 - 130	-
∆9-THC	7.56	7.32	103.28	70 - 130	-
CBDa	2.34	2.19	106.85	70 - 130	-
CBD	2.45	2.3	106.52	57 - 143	-



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OF-Cascade Plant, Flower - Cured

Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
240 HPLC3 20180920-3	PMS09191801H	Cannabinoids	Spike
QC Notes			
None			

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
THCa	0.002	8.7	<20	105	70 - 130	-
∆9-THC	0.002	0	<20	100	70 - 130	-
CBDa	0.002	7.57	<20	33	70 - 130	Below Limit Range
CBD	0.002	22.22	>20	92	70 - 130	-



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