



# 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: PD171201-015

Strain: Tangieland Flower  
Batch#: SOGTGLDGHR3; Batch Size: 3370 - grams  
Sample Received: 12/01/2017; Report Created: 12/11/2017; Expires: 12/11/2018

## Tangieland Flower

Plant, Flower - Cured  
Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001772; METRC Sample: 1A4010300001E17000001778



**20.45%**  
Total THC

**ND**  
Total CBD

## Cannabinoids

Potency-171208A-AP-HPLC3  
12/08/2017

Pass

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.10	22.50	225.0
Δ9-THC	0.10	0.71	7.1
Δ8-THC	0.10	ND	ND
CBDa	0.10	ND	ND
CBD	0.10	ND	ND
CBN	0.10	ND	ND
CBG	0.10	ND	ND
CBC	0.10	ND	ND
<b>Total</b>		<b>23.21</b>	<b>232.1</b>

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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## Sample: PD171201-015

Strain: Tangeland Flower  
Batch#: SOGTGLDGHR3; Batch Size: 3370 - grams  
Sample Received: 12/01/2017; Report Created: 12/11/2017; Expires: 12/11/2018

## Tangeland Flower

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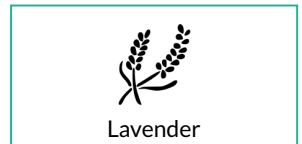
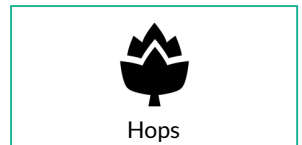


## Terpenes

Terpenes-171208-RK-Batch B  
12/08/2017

Analyte	LOQ	Mass	Mass	
	PPM	PPM	mg/g	
β-Myrcene	62.5	14467.0	14.5	<div style="width: 100%;"></div>
β-Caryophyllene	125.4	1886.6	1.9	<div style="width: 10%;"></div>
α-Pinene	250.0	1705.6	1.7	<div style="width: 8%;"></div>
δ-Limonene	125.9	1229.4	1.2	<div style="width: 6%;"></div>
β-Pinene	126.0	955.8	1.0	<div style="width: 5%;"></div>
Linalool	125.9	857.9	0.9	<div style="width: 4%;"></div>
α-Humulene	125.2	645.9	0.6	<div style="width: 3%;"></div>
Ocimene	125.4	250.2	0.3	<div style="width: 1%;"></div>
3-Carene	125.3	ND	ND	
α-Bisabolol	125.7	ND	ND	
α-Terpinene	125.3	<LOQ	<LOQ	
Camphene	126.1	<LOQ	<LOQ	
Eucalyptol	62.5	ND	ND	
γ-Terpinene	126.1	ND	ND	
Guaiol	125.2	ND	ND	
Isopulegol	125.8	ND	ND	
Terpinolene	126.1	ND	ND	

## Primary Aromas



**21,998.5 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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Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001772; METRC Sample: 1A4010300001E17000001778



## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-171208A-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-171208A-AP-HPLC3		Cannabinoids	Lab Control Sample

QC Notes  
None

Compound	CCV Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
CBDa	125.51	125	100.408	90-110	
THCa	126.29	125	101.032	90-110	
CBD	120.34	125	96.272	90-110	
Δ9-THC	126.77	125	101.416	90-110	



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## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-171208A-AP-HPLC3		Cannabinoids	Sample Duplicate

### QC Notes

None

Compound	Primary Sample Result (%)	Duplicate Sample Result (%)	% RSD	Limits (%)	Notes
CBDa	< LOQ	< LOQ	ERR	≤ 10	
THCa	17.04	16.33	3.009	≤ 10	
CBD	< LOQ	< LOQ	ERR	≤ 10	
Δ9-THC	0.4	0.41	1.746	≤ 10	



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## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
Potency-171208A-AP-HPLC3		Cannabinoids	Spike

### QC Notes

None

Compound	Post Spike Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
CBDa	26.27	25	105.08	80-120	
THCa	25.96	25	103.84	80-120	
CBD	24.1	25	96.400	80-120	
Δ9-THC	25	25	100	80-120	
Compound	Pre Spike Result (ppm)	Expected Result (ppm)	% Recovery	Limits (%)	Notes
Δ8-THC	21.13	25	84.52	80-120	



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