



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: PD171115-029

Strain: Harley Tsu
Batch#: SBTHTB12017; Batch Size: 932 - grams
Sample Received: 11/15/2017; Report Created: 11/22/2017; Expires: 11/22/2018

Harley Tsu

Plant, Flower - Cured
Harvest Process Lot: ; METRC Batch: 1A4010300001E17000001672; METRC Sample: 1A4010300001E17000001712



0.60%

Total THC

13.24%

Total CBD

Cannabinoids

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

Pass

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.10	0.69	6.9
Δ^9 -THC	0.10	ND	ND
Δ^8 -THC	0.10	ND	ND
CBDa	0.10	14.81	148.1
CBD	0.10	0.25	2.5
CBN	0.10	ND	ND
CBG	0.10	ND	ND
CBC	0.10	ND	ND
Total		15.75	157.5

Total THC = THCa * 0.877 + Δ^9 -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 & Δ^8 -THC are not accredited analytes under ORELAP.



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Terpenes

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

Analyte	LOQ	Mass	Mass	
	PPM	PPM	mg/g	
β-Myrcene	62.50	1491.41	1.49	<div></div>
Terpinolene	126.14	869.94	0.87	<div></div>
Ocimene	125.42	521.66	0.52	<div></div>
α-Pinene	250.00	331.90	0.33	<div></div>
Linalool	125.90	158.99	0.16	<div></div>
β-Pinene	125.96	153.42	0.15	<div></div>
δ-Limonene	125.90	149.71	0.15	<div></div>
3-Carene	125.34	<LOQ	<LOQ	
α-Bisabolol	125.66	ND	ND	
α-Humulene	125.24	<LOQ	<LOQ	
α-Terpinene	125.30	<LOQ	<LOQ	
β-Caryophyllene	125.38	<LOQ	<LOQ	
Camphene	126.10	ND	ND	
γ-Terpinene	126.14	<LOQ	<LOQ	
Guaiol	125.16	<LOQ	<LOQ	
Isopulegol	125.80	ND	ND	

Primary Aromas



Hops



Turpentine



Earthy



Pine



Lavender

3,677.03 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	
Δ9-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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