

Analytical Test Report

Calm Pre-roll

USA Hemp Co

Laboratory ID: 1803129-02

Batch ID:

Date Sampled: 03/30/18

Date Printed: 04/3/18

Report cannot be used for OLCC/OHA compliance.

Potency Analysis

Analytical Method: De Backer, Journal of Chromatography b.2009. 11.004 -
 SOP 19 & 20

Cannabinoids (% weight)		Moisture Adjusted	Notes
THCA	0.188	0.204	
delta 9-THC	< LOQ	< LOQ	
delta 8-THC	< LOQ	< LOQ	
CBGA	0.121	0.132	
CBDA	17.54	18.20	
CBD	0.321	0.350	
CBN	< LOQ	< LOQ	
CBG	< LOQ	< LOQ	
CBC	< LOQ	< LOQ	

Total THC

0.179 %

Total CBD

15.54 %

<LOQ - Results below the Limit of Quantitation

Acid form of THC/CBD are decarboxylated by heat, lose 12% of original mass as CO₂. Result = *bioactive*

"Total" Cannabinoid accounts for decarboxylation and moisture content. Total THC = [(THCA×0.877) + Δ9THC] / (100%-MC)

Moisture

Analysis Method/SOP: SOP 7

Moisture: 8.08 %



Chris Nielsen, Lab Director 4/3/2018

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Quality Control Potency

Batch: B18D006 - Potency

Blank(B18D006-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	
delta 9-THC	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	
CBGA	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	
CBDA	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	
CBD	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	
CBN	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	
CBG	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	
delta 8-THC	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	
CBC	< LOQ	0.100	%		04/02/18 15:13	04/02/18 17:47	

LCS(B18D006-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	89.7	0.100	%	80-120	04/02/18 15:13	04/02/18 18:01	
delta 9-THC	103	0.100	%	80-120	04/02/18 15:13	04/02/18 18:01	
CBDA	90.9	0.100	%	80-120	04/02/18 15:13	04/02/18 18:01	
CBD	101	0.100	%	80-120	04/02/18 15:13	04/02/18 18:01	

Moisture Content

Batch: B18D007 - Grav

Blank(B18D007-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.0800	0.00	%		04/02/18 19:39	04/02/18 19:39	

LCS(B18D007-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	92.2	0.00	%	70-130	04/02/18 19:39	04/02/18 19:39	



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Notes and Definitions

- B Analyte detected in method blank, but not associated samples.
 - B2 Analyte detected in sample and associate method blank.
 - C Interference due to co-elution.
 - D Initial result exceeded calibration range, reported data are based on analysis of a dilution.
 - H Non-homogenous sample matrix affecting RPD and/or QC.
 - I Manual Integration was performed.
 - L Duplicate sample relative percent difference (RPD) exceeds QC limits.
 - M Anomalous results due to matrix interference
 - P Peaks manually split.
 - Q1 QC out of limits but still oK
 - Q2 Quality Control outside QC limits. Data considered estimate.
 - Q3 CCV was above the acceptance criteria. Non-detect samples are considered acceptable.
 - Q4 CCV was below the acceptance criteria, however the sample still exceeds the regulatory limit.
 - R Marginal Exceedence.
 - U Reported result is an estimate. The analyte was detected above the calibration range.
 - X Problems with initial analysis, reported data are from reinjection of prepared sample.
- <LOQ - Results below the Limit of Quantitation - Compound not detected



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