

## Hawaiian Haze CBD

Lab ID: 2310096-02

Whole Circle Farms

Harvest / Process Lot: WCF-2023-HH-001

METRC Batch ID:

Date Sampled: 10/17/23

Date Printed: 10/24/23

Report cannot be used for OLCC/OHA compliance.

## Potency Analysis

 Analytical Method: De Backer, Journal of Chromatography b.2009. 11.004 -  
 SOP 102 - Cannabinoids via High Performance Liquid Chromatography

Cannabinoids	(%)	Moisture Adjusted	LOQ	Notes
THCA	0.292	0.334	0.0562	
delta 9-THC	< LOQ	< LOQ	0.0562	
delta 8-THC	< LOQ	< LOQ	0.0562	
CBDA	8.81	10.1	0.0843	
CBDVA	< LOQ	< LOQ	0.0562	
CBGA	0.143	0.164	0.0562	
CBD	0.235	0.269	0.0562	
CBDV	< LOQ	< LOQ	0.0562	
CBG	< LOQ	< LOQ	0.0562	
CBN	< LOQ	< LOQ	0.0562	
CBC	0.160	0.183	0.0562	
Total CBG	0.126	0.144	0.0562	
Total Cannabinoids	8.50	9.73	0.0562	

**Total THC**  
**0.293 %**

**Total CBD**  
**9.11 %**

&lt;LOQ - Results below the Limit of Quantitation

ORELAP accredited cannabinoid analytes include only CBDA, CBD, THCA, delta-9-THC, and delta-8-THC.

 Acid form of THC/CBD are decarboxylated by heat, lose 12% of original mass as CO<sub>2</sub>. 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: 12.6 %


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 Lab Director

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## Quality Control Potency

### Batch: B23J135 - Potency

#### Blank(B23J135-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
delta 9-THC	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
CBGA	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
CBDA	< LOQ	0.0750	%		10/19/23 09:21	10/19/23 23:28	
CBD	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
CBN	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
CBG	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
delta 8-THC	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
CBC	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
Total CBG	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
CBDVA	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	
CBDV	< LOQ	0.0500	%		10/19/23 09:21	10/19/23 23:28	

#### LCS(B23J135-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	97.9	0.0525	%	90-110	10/19/23 09:21	10/19/23 23:44	
delta 9-THC	105	0.0525	%	90-110	10/19/23 09:21	10/19/23 23:44	
CBDA	97.1	0.0787	%	90-110	10/19/23 09:21	10/19/23 23:44	
CBD	105	0.0525	%	90-110	10/19/23 09:21	10/19/23 23:44	
delta 8-THC	105	0.0525	%	90-110	10/19/23 09:21	10/19/23 23:44	



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## Quality Control Moisture Content

Batch: B23J173 - Moisture Content

### Blank(B23J173-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.200	0.00	%		10/24/23 09:44	10/24/23 09:44	

### LCS(B23J173-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	109	0.00	%	80-120	10/24/23 09:44	10/24/23 09:44	

### 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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Lab Director