



### ICE CREAM COOKIES

Sample ID: G3H0317-07      Matrix: Hemp Extracts & Concentrates  
Test ID: 5024198  
Source ID:  
Date Sampled: 08/18/23      Date Accepted: 08/18/23  
Batch Lot ID: 1073025-2023-005

**Octave Labs LLC**  
info@octave-labs.com

Results at a Glance	
Total Terpenes :	61.98 % PASS



Eric Wendt  
Chief Science Officer - 9/6/2023



### ICE CREAM COOKIES

Sample ID: G3H0317-07 Matrix: Hemp Extracts & Concentrates  
Test ID: 5024198  
Source ID:  
Date Sampled: 08/18/23 Date Accepted: 08/18/23  
Batch Lot ID: 1073025-2023-005

Octave Labs LLC  
info@octave-labs.com

### Terpene Analysis by GCMS

Date/Time Extracted: 08/18/23 16:37

Analysis Method/SOP: 204

Date/Time Analyzed: 08/20/23 00:52

Analyte	Result	LOD	LOQ	Units	Analyte	Result	LOD	LOQ	Units
(-)-Borneol	< LOQ	0.006	0.020	mg/g	(+)-Borneol	< LOQ	0.006	0.020	mg/g
3-Carene	1.61	0.006	0.020	mg/g	alpha-Bisabolol	5.54	0.006	0.020	mg/g
alpha-Cedrene	< LOQ	0.006	0.020	mg/g	alpha-Humulene	34.02	0.006	0.020	mg/g
Alpha-Phellandrene	< LOQ	0.006	0.020	mg/g	alpha-Pinene	93.14	0.006	0.020	mg/g
alpha-Terpinene	< LOQ	0.006	0.020	mg/g	alpha-Thujone	< LOQ	0.006	0.020	mg/g
A-Terpineol	6.41	0.006	0.020	mg/g	beta-Caryophyllene	95.9	0.006	0.020	mg/g
beta-Myrcene	153.8	0.006	0.020	mg/g	beta-Pinene	39.75	0.006	0.020	mg/g
Camphene	3.24	0.006	0.020	mg/g	Camphor	< LOQ	0.006	0.020	mg/g
Carvacrol	< LOQ	0.006	0.020	mg/g	Carvone	< LOQ	0.006	0.020	mg/g
Caryophyllene Oxide	< LOQ	0.006	0.020	mg/g	Cedrol	< LOQ	0.006	0.020	mg/g
Cis-beta-Farnesene	< LOQ	0.006	0.020	mg/g	Cis-beta-Ocimene	< LOQ	0.006	0.020	mg/g
cis-Nerolidol	< LOQ	0.006	0.020	mg/g	Citral	< LOQ	0.006	0.020	mg/g
Citronellol	< LOQ	0.006	0.020	mg/g	Endo-fenchyl alcohol	< LOQ	0.006	0.020	mg/g
Eucalyptol	3.36	0.006	0.020	mg/g	Farnesol 1	< LOQ	0.006	0.020	mg/g
Farnesol 2	< LOQ	0.006	0.020	mg/g	gamma-Terpinene	34.4	0.006	0.020	mg/g
Geraniol	< LOQ	0.006	0.020	mg/g	Geranyl acetate	< LOQ	0.006	0.020	mg/g
Guaiol	1.87	0.006	0.020	mg/g	Isoborneol	< LOQ	0.006	0.020	mg/g
Isobornyl Acetate	< LOQ	0.006	0.020	mg/g	Isopulegol	< LOQ	0.006	0.020	mg/g
Limonene	96.12	0.006	0.020	mg/g	Linalool	4.53	0.006	0.020	mg/g
Menthol	< LOQ	0.006	0.020	mg/g	Menthone	< LOQ	0.006	0.020	mg/g
Nootkatone	< LOQ	0.006	0.020	mg/g	Octyl Acetate	< LOQ	0.006	0.020	mg/g
p-Cymene	< LOQ	0.006	0.020	mg/g	Phytane	< LOQ	0.006	0.020	mg/g
Piperitone	< LOQ	0.006	0.020	mg/g	Pulegone	< LOQ	0.006	0.020	mg/g
Sabinene	< LOQ	0.006	0.020	mg/g	Sabinene hydrate	< LOQ	0.006	0.020	mg/g
Safranal	< LOQ	0.006	0.020	mg/g	Squalene	< LOQ	0.006	0.020	mg/g
Terpinen-4-ol	4.04	0.006	0.020	mg/g	Terpinolene	< LOQ	0.006	0.020	mg/g
Thymol	< LOQ	0.006	0.020	mg/g	trans-beta-Farnesene	12.33	0.006	0.020	mg/g
trans-beta-Ocimene	33.81	0.006	0.020	mg/g	trans-Nerolidol	< LOQ	0.006	0.020	mg/g
Valencene	< LOQ	0.006	0.020	mg/g	Verbenone	< LOQ	0.006	0.020	mg/g
<b>Total Terpenes</b>	<b>619.8</b>	<b>0.006</b>	<b>0.020</b>	<b>mg/g</b>					

ND - Compound not detected, <LOQ - Results below the Limit of Quantitation  
Terpenes are not Accredited by ORELAP to TNI 2016



Eric Wendt  
Chief Science Officer - 9/6/2023

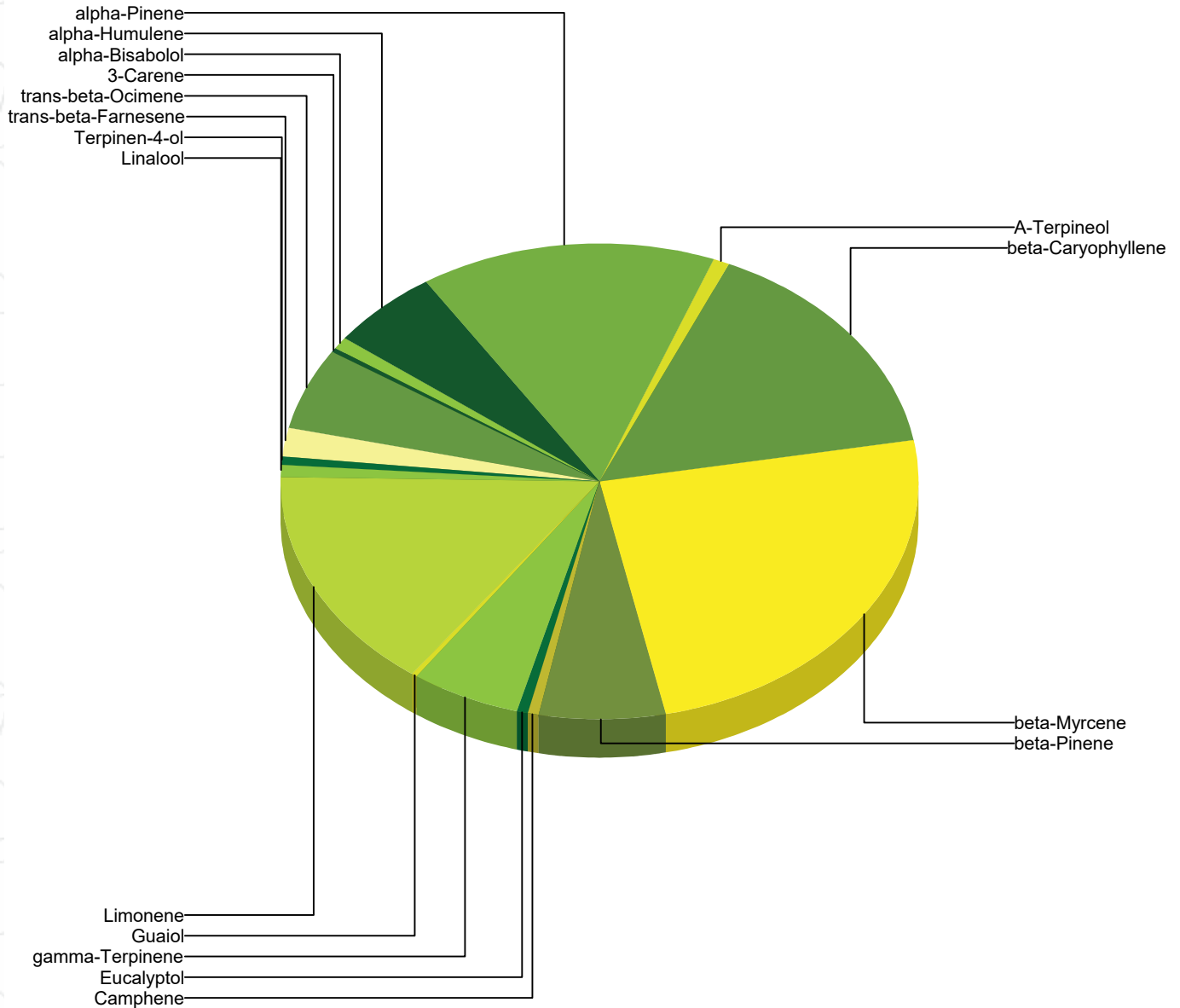


### ICE CREAM COOKIES

Sample ID: G3H0317-07      Matrix: Hemp Extracts & Concentrates  
Test ID: 5024198  
Source ID:  
Date Sampled: 08/18/23      Date Accepted: 08/18/23  
Batch Lot ID: 1073025-2023-005

**Octave Labs LLC**  
info@octave-labs.com

### Terpene Profile



### Percentage of Total Terpenes Identified



Eric Wendt  
Chief Science Officer - 9/6/2023



### Quality Control Terpene Analysis

Batch: 2333086 - 215-Concentrates

Blank(2333086-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Camphene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Camphor	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
3-Carene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
beta-Caryophyllene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Caryophyllene Oxide	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
alpha-Cedrene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Cedrol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Endo-fenchyl alcohol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Eucalyptol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Geraniol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Geranyl acetate	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Guaiol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
alpha-Humulene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Isoborneol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Isopulegol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Limonene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Linalool	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
beta-Myrcene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
trans-Nerolidol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
alpha-Pinene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
beta-Pinene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Pulegone	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Sabinene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Sabinene hydrate	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
gamma-Terpinene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
alpha-Terpinene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Terpinolene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Valencene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Verbenone	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
trans-beta-Farnesene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
A-Terpineol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
cis-Nerolidol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Thymol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Terpinen-4-ol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Squalene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Safranal	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Piperitone	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	



Eric Wendt  
Chief Science Officer - 9/6/2023

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



### Quality Control Terpene Analysis (Continued)

Batch: 2333086 - 215-Concentrates (Continued)

Blank(2333086-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Phytane	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
p-Cymene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Octyl Acetate	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Nootkatone	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Menthone	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Menthol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Isobornyl Acetate	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Farnesol 1	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Carvone	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
alpha-Thujone	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Alpha-Phellandrene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
(+)-Borneol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
(-)-Borneol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Carvacrol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
trans-beta-Ocimene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Cis-beta-Ocimene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Citral	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Citronellol	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Farnesol 2	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	
Cis-beta-Farnesene	< LOQ	0.0001	%		08/18/23 16:37	08/21/23 11:20	

Reference(2333086-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	90.9	0.0001	%	0-130	08/18/23 16:37	08/19/23 22:24	
beta-Caryophyllene	120	0.0001	%	70-130	08/18/23 16:37	08/19/23 22:24	
Limonene	93.4	0.0001	%	70-130	08/18/23 16:37	08/19/23 22:24	
beta-Myrcene	122	0.0001	%	70-130	08/18/23 16:37	08/19/23 22:24	



Eric Wendt  
Chief Science Officer - 9/6/2023

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



### Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
  - BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
  - BLK Analyte detected in method blank, but not associated samples.
  - BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
  - BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
  - CBD Interference due to co-elution
  - CV1 CBD matrix interference on GC Pest chromatography
  - CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
  - INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
  - ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
  - ISL Internal Standard concentration is above acceptance criteria.
  - MSH Internal Standard concentration is below acceptance criteria.
  - MSI Matrix Spike High - Matrix Spike recovery above method limits.
  - MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
  - TPP
  - U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- Internal Standard concentration outside control limit due to matrix interference



Eric Wendt  
Chief Science Officer - 9/6/2023

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.