

Kaycha Labs Oregon
 540 East Vilas Road, Suite F, Central Point, OR 97502
 541-668-7444 / OLCC 010-10166277B9D / www.kaychalabs.com

Rational Hemp Mountain Oil Trading Info Only



Confident Cannabis ID: 2103KR0102.1050

Sample ID: M210345-01

Matrix: Tincture

METRC Batch #:

Sampling Method/SOP: Client

Date Sampled: NA

Date Accepted: 03/24/21

Harvest/Process Lot ID:

Batch ID: 2007611.80

Batch Size (g):

Unit for Sale:

Harvest/Production Date:

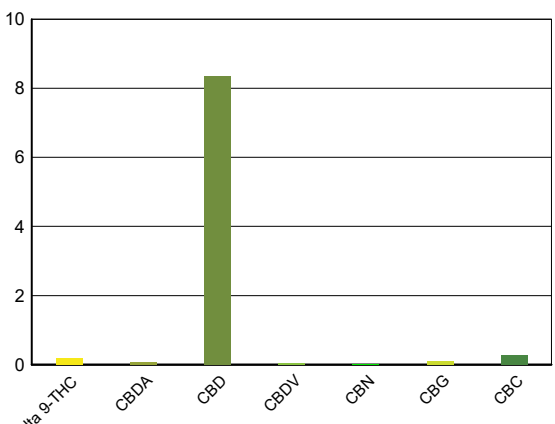
Cannabinoid Analysis

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Date/Time Extracted: 03/24/21 12:15

Analysis Method/SOP: SOP.T.40.020

Date/Time Analyzed: 03/25/21 03:42

Cannabinoids	LOQ(%)	mg/g	% weight	Cannabinoid Profile
Total THC ((THCA*0.877)+Δ9THC)		1.86	0.186	
Total CBD ((CBDA*0.877)+CBD)		84.11	8.411	
THCA	0.045	< LOQ	< LOQ	
delta 9-THC	0.045	1.86	0.186	
delta 8-THC	0.045	< LOQ	< LOQ	
THCV	0.045	< LOQ	< LOQ	
CBGA	0.045	< LOQ	< LOQ	
CBDA	0.045	0.58	0.058	
CBD	0.045	83.60	8.36	
CBDV	0.045	< LOQ	< LOQ	
CBN	0.045	< LOQ	< LOQ	
CBG	0.045	0.95	0.095	
CBC	0.045	2.83	0.283	
THCV-A	0.045	< LOQ	< LOQ	
CBDV-A	0.045	< LOQ	< LOQ	
CBCA	0.045	< LOQ	< LOQ	
Sum of tested Cannabinoids	0.045	89.80	8.98	

"Total THC" and "Total CBD" are calculated values and are an Oregon reporting requirement (OAR 333-064-0100). For Cannabinoid analysis, only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes. Cannabinoid values reported for plant matter are dry weight corrected; Oregon Water Activity action level is 0.65Aw and Oregon Moisture Content action level is 15%, Samples above limit will be highlighted RED; FD = Field Duplicate; LOQ = Limit of Quantitation.



Anthony Smith, Ph.D
 Laboratory Director - 3/26/2021

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Rational Hemp

Mountain Oil Trading

Info Only

Sample ID: M210345-01 METRC Batch #:

Matrix: Tincture

Date Sampled: NA

Date Accepted: 03/24/21

Batch ID: 2007611.80

Batch Size:

Sampling Method/SOP: Client

Terpene Analysis

Date/Time Extracted: 03/24/21 12:39

Analysis Method/SOP: SOP.T.40.092

Date/Time Analyzed: 03/25/21 02:04

Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)	Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)
alpha-Pinene	0.080	< LOQ	< LOQ	beta-Pinene	0.080	< LOQ	< LOQ
Camphene	0.080	< LOQ	< LOQ	Sabinene	0.080	< LOQ	< LOQ
Sabinene hydrate	0.080	< LOQ	< LOQ	beta-Myrcene	0.080	< LOQ	< LOQ
p-Mentha-1,5-diene	0.080	< LOQ	< LOQ	(+)-3-Carene	0.080	< LOQ	< LOQ
alpha-Terpinene	0.080	< LOQ	< LOQ	gamma-Terpinene	0.080	< LOQ	< LOQ
Limonene	0.080	< LOQ	< LOQ	Eucalyptol	0.080	< LOQ	< LOQ
Guaiol	0.080	0.162	0.0162	Terpinolene	0.080	< LOQ	< LOQ
Linalool	0.080	< LOQ	< LOQ	Camphor	0.080	< LOQ	< LOQ
(+)-Camphor	0.080	< LOQ	< LOQ	(-)-Camphor	0.080	< LOQ	< LOQ
Isopulegol	0.080	< LOQ	< LOQ	Isoborneol	0.080	< LOQ	< LOQ
Borneol	0.080	< LOQ	< LOQ	Hexahydrothymol	0.080	< LOQ	< LOQ
Geraniol	0.080	< LOQ	< LOQ	(+)-Pulegone	0.080	< LOQ	< LOQ
Nerol	0.080	< LOQ	< LOQ	cis-Nerolidol	0.080	< LOQ	< LOQ
trans-Nerolidol	0.080	< LOQ	< LOQ	Geranyl acetate	0.080	< LOQ	< LOQ
alpha-Cedrene	0.080	< LOQ	< LOQ	trans-Caryophyllene	0.080	1.83	0.183
Caryophyllene Oxide	0.080	1.19	0.119	alpha-Humulene	0.080	0.495	0.0495
Valencene	0.080	< LOQ	< LOQ	alpha-Farnesene	0.080	0.593	0.0593
beta-Farnesene	0.080	0.695	0.0695	Cedrol	0.080	0.112	0.0112
alpha-Bisabolol	0.080	1.52	0.152	Fenchone	0.080	< LOQ	< LOQ
Fenchyl Alcohol	0.080	0.091	0.0091	trans, beta- Ocimene	0.080	< LOQ	< LOQ
beta, cis- Ocimene	0.080	< LOQ	< LOQ	Terpineol	0.080	0.143	0.0143
Total (Sum):						6.83	0.68

Analysis performed on GCMS with confirmation ion identification. Terpene analysis is not ORELAP accredited. Results reported as wet weight, or as is. LOQ = Limit of Quantitation. Terpene analysis performed in conjunction with EVIO Labs Portland.



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Quality Control

Batch: M21C081 - SOP.T.30.050 Prep for Cannabinoids

Blank(M21C081-BLK1)			Extracted: 03/24/21 12:15		Analyzed: 03/25/21 02:20		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.040 (%)	< LOQ	delta 9-THC	< LOQ	0.040 (%)	< LOQ
delta 8-THC	< LOQ	0.040 (%)	< LOQ	THCV-A	< LOQ	0.040 (%)	< LOQ
THCV	< LOQ	0.040 (%)	< LOQ	CBDA	< LOQ	0.040 (%)	< LOQ
CBD	< LOQ	0.040 (%)	< LOQ	CBDV-A	< LOQ	0.040 (%)	< LOQ
CBDV	< LOQ	0.040 (%)	< LOQ	CBG	< LOQ	0.040 (%)	< LOQ
CBGA	< LOQ	0.040 (%)	< LOQ	CBN	< LOQ	0.040 (%)	< LOQ
CBCA	< LOQ	0.040 (%)	< LOQ	CBC	< LOQ	0.040 (%)	< LOQ
Sum of tested Cannabinoid:	< LOQ	0.040 (%)	< LOQ				

LCS(M21C081-BS1)			Extracted: 03/24/21 12:15		Analyzed: 03/25/21 02:37		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
THCA	94.6	(%)	70-130	delta 9-THC	98.0	(%)	70-130
THCV	107	(%)	70-130	CBDA	98.5	(%)	70-130
CBD	98.0	(%)	70-130	CBG	96.5	(%)	70-130
CBGA	98.6	(%)	70-130	CBN	107	(%)	70-130
CBCA	103	(%)	70-130	CBC	88.5	(%)	70-130

Batch: M21C082 - SOP.T.40.092 PDX Terpene Analysis via GC-MS

Blank(M21C082-BLK1)			Extracted: 03/24/21 12:39		Analyzed: 03/24/21 17:02		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
alpha-Pinene	< LOQ	0.200 (mg/g)	< LOQ	beta-Pinene	< LOQ	0.200 (mg/g)	< LOQ
Camphene	< LOQ	0.200 (mg/g)	< LOQ	Sabinene	< LOQ	0.200 (mg/g)	< LOQ
Sabinene hydrate	< LOQ	0.200 (mg/g)	< LOQ	beta-Myrcene	< LOQ	0.200 (mg/g)	< LOQ
p-Mentha-1,5-diene	< LOQ	0.200 (mg/g)	< LOQ	(+)-3-Carene	< LOQ	0.200 (mg/g)	< LOQ
alpha-Terpinene	< LOQ	0.200 (mg/g)	< LOQ	gamma-Terpinene	< LOQ	0.200 (mg/g)	< LOQ
Limonene	< LOQ	0.200 (mg/g)	< LOQ	Eucalyptol	< LOQ	0.200 (mg/g)	< LOQ
Guaiol	< LOQ	0.200 (mg/g)	< LOQ	Terpinolene	< LOQ	0.200 (mg/g)	< LOQ
Linalool	< LOQ	0.200 (mg/g)	< LOQ	Camphor	< LOQ	0.200 (mg/g)	< LOQ
(+)-Camphor	< LOQ	0.200 (mg/g)	< LOQ	(-)-Camphor	< LOQ	0.200 (mg/g)	< LOQ
Isopulegol	< LOQ	0.200 (mg/g)	< LOQ	Isoborneol	< LOQ	0.200 (mg/g)	< LOQ
Borneol	< LOQ	0.200 (mg/g)	< LOQ	Hexahydrothymol	< LOQ	0.200 (mg/g)	< LOQ
Geraniol	< LOQ	0.200 (mg/g)	< LOQ	(+)-Pulegone	< LOQ	0.200 (mg/g)	< LOQ
Nerol	< LOQ	0.200 (mg/g)	< LOQ	cis-Nerolidol	< LOQ	0.200 (mg/g)	< LOQ
trans-Nerolidol	< LOQ	0.200 (mg/g)	< LOQ	Geranyl acetate	< LOQ	0.200 (mg/g)	< LOQ
alpha-Cedrene	< LOQ	0.200 (mg/g)	< LOQ	trans-Caryophyllene	< LOQ	0.200 (mg/g)	< LOQ
Caryophyllene Oxide	< LOQ	0.200 (mg/g)	< LOQ	alpha-Humulene	< LOQ	0.200 (mg/g)	< LOQ
Valencene	< LOQ	0.200 (mg/g)	< LOQ	alpha-Farnesene	< LOQ	0.200 (mg/g)	< LOQ



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Certificate of Analysis

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Quality Control

Batch: M21C082 - SOP.T.40.092 PDX Terpenoid Analysis via GC-MS (Continued)

Blank(M21C082-BLK1)			Extracted: 03/24/21 12:39		Analyzed: 03/24/21 17:02		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
beta-Farnesene	< LOQ	0.200 (mg/g)	< LOQ	Cedrol	< LOQ	0.200 (mg/g)	< LOQ
alpha-Bisabolol	< LOQ	0.200 (mg/g)	< LOQ	Fenchone	< LOQ	0.200 (mg/g)	< LOQ
Fenchyl Alcohol	< LOQ	0.200 (mg/g)	< LOQ	trans, beta- Ocimene	< LOQ	0.200 (mg/g)	< LOQ
beta, cis- Ocimene	< LOQ	0.200 (mg/g)	< LOQ	Terpineol	< LOQ	0.200 (mg/g)	< LOQ

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