

EVIO Labs Medford (pka Kenevir Research)
 540 East Vilas Road, Suite F, Central Point, OR 97502
 541-668-7444 / OLCC 010-1001626980D / www.EVIOLabs.com

Rational Hemp 2400mg CBD Mountain Oil Trading Info Only



Confident Cannabis ID: 2004KR0084.1970

Sample ID: M200633-01

Matrix: Tincture

METRC Batch #:

Sampling Method/SOP: Client

Date Sampled: NA

Date Accepted: 04/20/20

Harvest/Process Lot ID:

Batch ID:

Batch Size (g):

Unit for Sale:

Harvest/Production Date:

Cannabinoid Analysis

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Date/Time Extracted: 04/20/20 15:47

Analysis Method/SOP: SOP.T.40.020

Date/Time Analyzed: 04/20/20 18:05

Sample mass: 0.935g/ mg/mL

Cannabinoids	LOQ(%)	mg/g	mg/mL	Cannabinoid Profile
Total THC ((THCA*0.877)+Δ9THC)		2.54	2.37	
Total CBD ((CBDA*0.877)+CBD)		87.19	81.5	
THCA	0.040	< LOQ	< LOQ	
delta 9-THC	0.040	2.54	2.37	
delta 8-THC	0.040	< LOQ	< LOQ	
THCV	0.040	< LOQ	< LOQ	
CBGA	0.040	< LOQ	< LOQ	
CBDA	0.040	1.58	1.48	
CBD	0.040	85.80	80.2	
CBDV	0.040	< LOQ	< LOQ	
CBN	0.040	< LOQ	< LOQ	
CBG	0.040	0.87	0.813	
CBC	0.040	2.94	2.75	
THCV-A	0.040	< LOQ	< LOQ	
CBDV-A	0.040	< LOQ	< LOQ	
CBCA	0.040	< LOQ	< LOQ	

Sum of tested Cannabinoids 0.040 93.80 87.7

"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.

Stephanie Moon
 Laboratory Director - 4/27/2020

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Rational Hemp 2400mg CBD

Mountain Oil Trading

Info Only

Sample ID: M200633-01 METRC Batch #:

Matrix: Tincture

Date Sampled: NA

Date Accepted: 04/20/20

Batch ID:

Batch Size:

Sampling Method/SOP: Client

Terpene Analysis

Date/Time Extracted: 04/23/20 12:12

Analysis Method/SOP: SOP.T.40.092

Date/Time Analyzed: 04/27/20 10:04

Analyte	LOQ (%)	Mass (mg/g)	Mass (%)	Analyte	LOQ (%)	Mass (mg/g)	Mass (%)
alpha-Pinene	0.200	< LOQ	< LOQ	beta-Pinene	0.200	< LOQ	< LOQ
Camphene	0.200	< LOQ	< LOQ	Sabinene	0.200	< LOQ	< LOQ
Sabinene hydrate	0.200	< LOQ	< LOQ	beta-Myrcene	0.200	< LOQ	< LOQ
p-Mentha-1,5-diene	0.200	< LOQ	< LOQ	(+)-3-Carene	0.200	< LOQ	< LOQ
alpha-Terpinene	0.200	< LOQ	< LOQ	gamma-Terpinene	0.200	< LOQ	< LOQ
Limonene	0.200	< LOQ	< LOQ	Eucalyptol	0.200	< LOQ	< LOQ
Guaiol	0.200	< LOQ	< LOQ	Terpinolene	0.200	< LOQ	< LOQ
Linalool	0.200	< LOQ	< LOQ	Camphor	0.200	< LOQ	< LOQ
(+)-Camphor	0.200	< LOQ	< LOQ	(-)-Camphor	0.200	< LOQ	< LOQ
Isopulegol	0.200	< LOQ	< LOQ	Isoborneol	0.200	< LOQ	< LOQ
Borneol	0.200	< LOQ	< LOQ	Hexahydrothymol	0.200	< LOQ	< LOQ
Geraniol	0.200	< LOQ	< LOQ	(+)-Pulegone	0.200	< LOQ	< LOQ
Nerol	0.200	< LOQ	< LOQ	cis-Nerolidol	0.200	< LOQ	< LOQ
trans-Nerolidol	0.200	< LOQ	< LOQ	Geranyl acetate	0.200	< LOQ	< LOQ
alpha-Cedrene	0.200	< LOQ	< LOQ	trans-Caryophyllene	0.200	1.03	0.103
Caryophyllene Oxide	0.200	0.682	0.0682	alpha-Humulene	0.200	0.367	0.0367
Valencene	0.200	< LOQ	< LOQ	alpha-Farnesene	0.200	< LOQ	< LOQ
beta-Farnesene	0.200	< LOQ	< LOQ	Cedrol	0.200	< LOQ	< LOQ
alpha-Bisabolol	0.200	1.06	0.106	Fenchone	0.200	< LOQ	< LOQ
Fenchyl Alcohol	0.200	< LOQ	< LOQ	trans, beta- Ocimene	0.200	< LOQ	< LOQ
beta, cis- Ocimene	0.200	< LOQ	< LOQ	Terpineol	0.200	< LOQ	< LOQ
Total (Sum):						3.14	0.31

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: M20D091 - SOP.T.30.050 Prep for Cannabinoids

Blank(M20D091-BLK1)				Extracted: 04/20/20 08:24		Analyzed: 04/20/20 17:00	
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
CBC	< LOQ	0.040 (%)	< LOQ	Sum of tested Cannabinoid:	< LOQ	0.040 (%)	< LOQ

LCS(M20D091-BS1)				Extracted: 04/20/20 08:24		Analyzed: 04/20/20 17:16	
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
THCA	101	(%)	70-130	delta 9-THC	95.9	(%)	70-130
CBDA	96.6	(%)	70-130	CBD	99.7	(%)	70-130

Batch: P20D114 - SOP.T.40.092 PDX Terpenoid Analysis via GC-MS

Blank(P20D114-BLK1)				Extracted: 04/23/20 12:12		Analyzed: 04/27/20 10:04	
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
alpha-Pinene	< LOQ	0.400 (mg/g)	< LOQ	beta-Pinene	< LOQ	0.400 (mg/g)	< LOQ
Camphene	< LOQ	0.400 (mg/g)	< LOQ	Sabinene	< LOQ	0.400 (mg/g)	< LOQ
Sabinene hydrate	< LOQ	0.400 (mg/g)	< LOQ	beta-Myrcene	< LOQ	0.400 (mg/g)	< LOQ
p-Mentha-1,5-diene	< LOQ	0.400 (mg/g)	< LOQ	(+)-3-Carene	< LOQ	0.400 (mg/g)	< LOQ
alpha-Terpinene	< LOQ	0.400 (mg/g)	< LOQ	gamma-Terpinene	< LOQ	0.400 (mg/g)	< LOQ
Limonene	< LOQ	0.400 (mg/g)	< LOQ	Eucalyptol	< LOQ	0.400 (mg/g)	< LOQ
Guaiol	< LOQ	0.400 (mg/g)	< LOQ	Terpinolene	< LOQ	0.400 (mg/g)	< LOQ
Linalool	< LOQ	0.400 (mg/g)	< LOQ	Camphor	< LOQ	0.400 (mg/g)	< LOQ
(+)-Camphor	< LOQ	0.400 (mg/g)	< LOQ	(-)-Camphor	< LOQ	0.400 (mg/g)	< LOQ
Isopulegol	< LOQ	0.400 (mg/g)	< LOQ	Isoborneol	< LOQ	0.400 (mg/g)	< LOQ
Borneol	< LOQ	0.400 (mg/g)	< LOQ	Hexahydrothymol	< LOQ	0.400 (mg/g)	< LOQ
Geraniol	< LOQ	0.400 (mg/g)	< LOQ	(+)-Pulegone	< LOQ	0.400 (mg/g)	< LOQ
Nerol	< LOQ	0.400 (mg/g)	< LOQ	cis-Nerolidol	< LOQ	0.400 (mg/g)	< LOQ
trans-Nerolidol	< LOQ	0.400 (mg/g)	< LOQ	Geranyl acetate	< LOQ	0.400 (mg/g)	< LOQ
alpha-Cedrene	< LOQ	0.400 (mg/g)	< LOQ	trans-Caryophyllene	< LOQ	0.400 (mg/g)	< LOQ
Caryophyllene Oxide	< LOQ	0.400 (mg/g)	< LOQ	alpha-Humulene	< LOQ	0.400 (mg/g)	< LOQ
Valencene	< LOQ	0.400 (mg/g)	< LOQ	alpha-Farnesene	< LOQ	0.400 (mg/g)	< LOQ
beta-Farnesene	< LOQ	0.400 (mg/g)	< LOQ	Cedrol	< LOQ	0.400 (mg/g)	< LOQ
alpha-Bisabolol	< LOQ	0.400 (mg/g)	< LOQ	Fenchone	< LOQ	0.400 (mg/g)	< LOQ
Fenchyl Alcohol	< LOQ	0.400 (mg/g)	< LOQ	trans, beta- Ocimene	< LOQ	0.400 (mg/g)	< LOQ
beta, cis- Ocimene	< LOQ	0.400 (mg/g)	< LOQ	Terpineol	< LOQ	0.400 (mg/g)	< LOQ



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