

**OLEO, Inc.**

WA 99201  
austin@oleolife.com  
(503) 550-9522  
Lic. #

**Sample: 03TRC009619.I1256**

Strain: OleoCBD

Sample Received: 03/25/2019; Report Created: 03/27/2019  
Leaf Inventory/Lot ID: RTMR021319; Leaf Pre-Transfer Inventory/Lot ID:  
Leaf Batch ID: ; Leaf Pre-Transfer Batch ID:  
Leaf Manifest ID:

## Oleo Original Mix Jar

Ingestible, Other, Other  
External Batch ID: RTMR021319



**ND**  
THC Potency

**27.00 mg/unit**  
CBD Potency

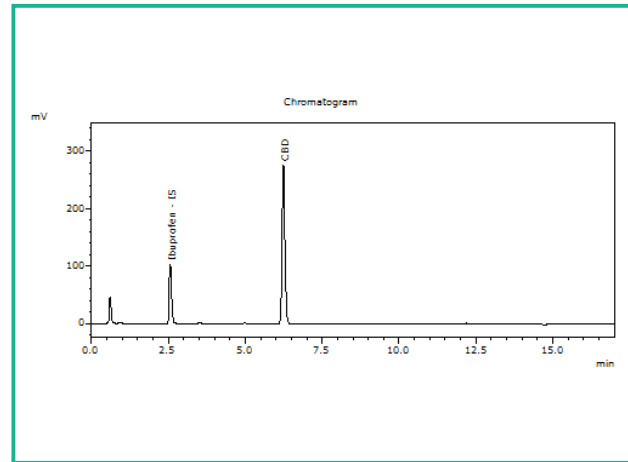
**27.00 mg/unit**  
Total Potency\*

## Cannabinoids

1 Unit = Serving, 3g

Analyte	Mass mg/unit	Mass mg/g
THCa	ND	ND
Δ9-THC	ND	ND
CBD	27.00	9.00
CBDa	ND	ND
CBN	ND	ND
Δ8-THC	ND	ND
THCV	ND	ND
CBDV	ND	ND
CBG	ND	ND
CBGa	ND	ND
CBC	ND	ND
<b>Total</b>	<b>27.00</b>	<b>9.00</b>

## Chromatogram



THC Potency = THCa \* 0.877 + d9-THC; CBD Potency = CBDa \* 0.877 + CBD; LOQ = Limit of Quantitation; Total Potency\* = Total THC + Total CBD. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

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This product has been tested by Trace Analytics, Inc using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Trace Analytics, Inc makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Trace Analytics, Inc. Lic# 0014 - Foreign Matter (Visual Inspection) - Moisture (Moisture Analyzer) - Water Activity (Water Activity Meter) - Microbiological (3M Petrifilm/qPCR) - Potency (HPLC-UV) - Residual Solvents (GCMS) - Mycotoxins (ELISA)



# CERTIFICATE OF ANALYSIS

**Oleo, Inc.**  
842 Industry Dr.  
Tukwila, WA 98188  
Phone:253-277-0172

**IEH Laboratories & Consulting Group**

IEH-Lake Forest Park  
15300 Bothell Way NE  
Lake Forest Park, WA 98155  
Phone:206-522-5432 Fax:206-524-4639  
www.iehinc.com

TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

WO: 1136157      **Samples Received:** 2/26/2019      **Report Date:** 3/3/2019      **Report No:** LFP-194194

Lab Sample No.	Customer Sample ID	Sample Type	Customer Comments	Aerobic Plate Count (CFU/g)	E. coli Count (CFU/g)	Mold Count (CFU/g)	Yeast Count (CFU/g)	Salmonella spp. (25g)
1136157-001	RTMR021319	Powder	Original Mix Jar RTMR021319	<10	<10	<10	<10	Negative

Test Method: Aerobic Plate Count = Aerobic Plate Count MB073.01 (AOAC 966.23)(Plate), E. coli Count = E. coli Count FDA BAM, Ch 4 (Plate), Mold Count = Mold Count MB074.01 (Plate), Yeast Count = Yeast Count MB074.01 (Plate), Salmonella spp. = Salmonella spp. MB217.01 (AOAC-RI # 100701)

UNLESS OTHERWISE NOTED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THE RESULT(S) IN THIS REPORT RELATE ONLY TO THE PORTION OF THE SAMPLE(S) TESTED. THIS REPORT DOES NOT CONSTITUTE A RELEASE OF PRODUCT FOR CONSUMPTION. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS DOCUMENT CONTAINS CONFIDENTIAL COMMERCIAL INFORMATION PURSUANT TO 5 U.S.C. SEC. 552(b)(4).

Authorized Analyst: Alexander Agapov



# CERTIFICATE OF ANALYSIS

Oleo, Inc.

Contact: Austin Shaff  
842 Industry Dr.  
Tukwila, WA 98188  
Phone: 253-288-02172

IEH Laboratories & Consulting Group

IEH Analytical Laboratories

3927 Aurora Avenue North

Seattle, WA 98103

Phone: (206) 632-2715 Fax: (206) 632-2417

www.iehinc.com

TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

WO: 1704718

Samples Received: 2/27/2019

Report Date: 3/4/2019

Report No: IAL-4909

Lab Sample ID	Client Sample ID	Matrix	Arsenic (mg/kg)	Cadmium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)
1704718-14265	RTMR021319	Original Mix Jar	<0.01	<0.01	<0.01	<0.01

Test Method: Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)

UNLESS OTHERWISE NOTED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THE RESULT(S) IN THIS REPORT RELATE ONLY TO THE PORTION OF THE SAMPLE(S) TESTED. THIS REPORT DOES NOT CONSTITUTE A RELEASE OF PRODUCT FOR CONSUMPTION. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS DOCUMENT CONTAINS CONFIDENTIAL COMMERCIAL INFORMATION PURSUANT TO 5 U.S.C. SEC. 552(b)(4).

Authorized Analyst: Zach Gottschalk



# IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

## Residual Solvents Screen by HS-GC/MS

Results of Analysis by SOP O-037 based on USP 40 <467>

**WO:** 1704718-14265  
**Authorized Analyst:** MEP  
**Date of Report:** 4/12/2019

**Client:** OLEO, Inc.  
**Contact:** Austin Shaff  
**Date of Receipt:** 2/27/2019

**Client Sample ID:** RTMR021319  
**Comments:** Original Mix Jar RTMR021319

Analyte	CAS #	Class	USP Concentration Limit (ppm)	Result (ppm)
Benzene	71-43-2	1	2	ND
Carbon tetrachloride	56-23-5	1	4	ND
1,2-Dichloroethane	107-06-2	1	5	ND
1,1-Dichloroethene	75-35-4	1	8	ND
1,1,1-Trichloroethane	71-55-6	1	1500	ND
Acetonitrile	75-05-8	2	410	ND
Chlorobenzene	108-90-7	2	360	ND
Chloroform	67-66-3	2	60	ND
Cumene	98-82-8	2	70	ND
Cyclohexane	110-82-7	2	3880	ND
1,2-Dichloroethene	540-59-0	2	1870	ND
1,2-Dimethoxyethane	110-71-4	2	100	ND
1,4-Dioxane	123-91-1	2	380	ND
Hexane	110-54-3	2	290	ND
Methanol	67-56-1	2	3000	ND
Methylbutylketone	591-78-6	2	50	ND
Methylcyclohexane	108-87-2	2	1180	ND
Methylene chloride	75-09-2	2	600	ND
Nitromethane	75-52-5	2	50	ND
Pyridine	110-86-1	2	200	ND
Tetrahydrofuran	109-99-9	2	720	ND
Tetralin	119-64-2	2	100	ND
Toluene	108-88-3	2	890	ND
Trichloroethylene	79-01-6	2	80	ND
Total Xylenes*	108-38-3, 106-42-3, 95-47-6, 100-41-4	2	2170	ND
Acetone	67-64-1	3	5000	ND
Anisole	100-66-3	3	5000	ND
1-Butanol	71-36-3	3	5000	ND
2-Butanol	78-92-2	3	5000	ND
Butyl acetate	123-86-4	3	5000	ND
tert-Butylmethyl ether	1634-04-4	3	5000	ND
Ethanol	64-17-5	3	5000	ND
Ethyl acetate	141-78-6	3	5000	ND
Ethyl ether	60-29-7	3	5000	ND
Ethyl formate	109-94-4	3	5000	ND



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**Authorized Analyst:** MEP  
**Date of Report:** 4/12/2019

**Client:** OLEO, Inc.  
**Contact:** Austin Shaff  
**Date of Receipt:** 2/27/2019

**Client Sample ID:** RTMR021319  
**Comments:** Original Mix Jar RTMR021319

Analyte	CAS #	Class	USP Concentration Limit (ppm)	Result (ppm)
Heptane	142-82-5	3	5000	ND
Isobutyl acetate	110-19-0	3	5000	ND
Isopropyl acetate	108-21-4	3	5000	ND
Methyl acetate	79-20-9	3	5000	ND
3-Methyl-1-butanol	123-51-3	3	5000	ND
Methylethylketone	78-93-3	3	5000	ND
Methylisobutylketone	108-10-1	3	5000	ND
2-Methyl-1-propanol	78-83-1	3	5000	ND
Pentane	109-66-0	3	5000	ND
1-Pentanol	71-41-0	3	5000	ND
1-Propanol	71-23-8	3	5000	ND
2-Propanol	67-63-0	3	5000	ND
Propyl acetate	109-60-4	3	5000	ND

\*Sum of m-Xylene, p-Xylene, o-Xylene and Ethylbenzene

ND: Non-Detect (Analyte Not Detected at or Above Concentration Limit)

Results relate only to the submitted sample. IEH Analytical Laboratories makes no claim about the other portions of this commodity/lot.



# IEH Analytical Laboratories

3927 Aurora Avenue North, Seattle, WA 98103 | (206) 632-2715

## Residual Solvents Screen by DI-GC/MS

Results of Analysis by SOP O-037 based on USP 40 <467>

**WO:** 1704718-14265  
**Authorized Analyst:** MEP  
**Date of Report:** 4/12/2019

**Client:** OLEO, Inc.  
**Contact:** Austin Shaff  
**Date of Receipt:** 2/27/2019

**Client Sample ID:** RTMR021319  
**Comments:** Original Mix Jar RTMR021319

Analyte	CAS #	Class	USP Concentration Limit (ppm)	Result (ppm)
<i>N,N</i> -Dimethylacetamide	127-19-5	2	1090	ND
<i>N,N</i> -Dimethylformamide	68-12-2	2	880	ND
2-Ethoxyethanol	110-80-5	2	160	ND
Ethylene glycol	10721-1	2	620	ND
Formamide	75-12-7	2	220	ND
2-Methoxyethanol	109-86-4	2	50	ND
<i>N</i> -Methylpyrrolidone	872-50-4	2	530	ND
Sulfolane	126-33-0	2	160	ND

ND: Non-Detect (Analyte Not Detected at or Above Concentration Limit)

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# IEH - JL ANALYTICAL

217 Primo Way ▪ Modesto, California 95358 ▪ Office (209) 538-8111 ▪ FAX (209) 538-3966

Oleo, Inc.

Report # L2.2-29R24778  
Report Date: 03/01/2019  
Received Date: 02/28/2019  
Work Order: 461435

842 Industry Dr.  
Tukwila, WA 98188

Laboratory Number: 46143502  
Description: Powder, RTMR021319, Original Mix Jar RTMR021319, IEH#: 1136157-001

## Certificate of Analysis

Constituent	Result	Method Reference	Analysis Date
Aflatoxin, Total - HPLC	< 0.4 ppb	USP 561	02/28/2019
Aflatoxin B1	< 0.1 ppb	USP 561	02/28/2019
Aflatoxin B2	< 0.1 ppb	USP 561	02/28/2019
Aflatoxin G1	< 0.1 ppb	USP 561	02/28/2019
Aflatoxin G2	< 0.1 ppb	USP 561	02/28/2019
Ochratoxin A	< 0.25 ppb	AOAC 2001.01	03/01/2019

### Notes

Authorized By:  03/01/2019  
Tuan Nguyen, Chemist

Unless otherwise noted, all samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. Results are not corrected for recovery or expanded measurement of uncertainty. This report does not constitute a release of product for consumption. This report shall not be reproduced in full, without written approval of the laboratory. This document contains confidential commercial information pursuant to 5 U.S.C. SEC. 552(b)(4).