



Certificate of Analysis

ICAL ID:
Sample: MI22031406-019
Defend Tincture
Strain: Defend Tincture
Category: Ingestible

Zogena LLC
Lic. #
4400 Ann Arbor Road
Jackson, MI 49202
Lic. #

Batch#: DF0823559
Primary Size:
Total/Batch Size:
Collected: 03/14/2022; Received: 03/14/2022
Completed: 03/17/2022

Moisture NT	$\Delta 9$ -THC ND	CBD 774.11 mg/unit	Total Cannabinoids 1,128.85 mg/unit	Total Terpenes 0.19400%
Water Activity NT				

Summary	SOP Used	Date Tested	
Batch			Complete
Cannabinoids	SOP:Tinc-001	03/15/2022	Complete
Terpenes	SOP:Tinc-001	03/15/2022	Complete
Homogeneity			Not Tested
Average THC			N/A
Average CBD			N/A
THC % SD			N/A
CBD % SD			N/A
Weight % SD			N/A
pH			undefined



Scan to see results

Cannabinoid Profile

1 Unit = mg/bottle, 27.34 g.

Analyte	LOQ	LOD	%	mg/g	mg/unit	Analyte	LOQ	LOD	%	mg/g	mg/unit
THCa	3.68	1.23	ND	ND	ND	CBDV	1.28	0.36	0.009	0.09	2.43
$\Delta 9$ -THC	4.39	1.46	ND	ND	ND	CBN	2.50	0.83	ND	ND	ND
$\Delta 8$ -THC	4.39	1.46	ND	ND	ND	CBGa	2.69	1.28	1.103	11.03	301.67
THCV	1.08	0.36	ND	ND	ND	CBG	2.03	0.68	0.045	0.45	12.30
CBDa	2.69	0.90	0.140	1.40	38.33	CBC	1.08	1.23	ND	ND	ND
CBD	1.08	0.36	2.831	28.31	774.11	Total			4.129	41.29	1128.85

Total THC=THCa * 0.877 + d9-THC; Total CBD = CBDa * 0.877 + CBD; NR= Not Reported, ND= Not Detected, *Reported by Dry Mass*; *analytical instrumentation used Cannabinoids:UHPLC-DAD, Moisture:Mass by Drying, Water Activity:Water Activity Meter, Foreign Material:Microscope*

Terpene Profile

Analyte	LOQ	LOD	%	mg/g	Analyte	LOQ	LOD	%	mg/g
δ -Limonene	0.00060	0.00020	0.13600	1.3600	cis-Nerolidol	0.00050	0.00020	ND	ND
β -Pinene	0.00050	0.00020	0.03000	0.3000	cis-Ocimene	0.00030	0.00010	ND	ND
γ -Terpinene	0.00020	0.00007	0.01800	0.1800	δ -3-Carene	0.00030	0.00009	ND	ND
α -Pinene	0.00050	0.00020	0.00600	0.0600	Eucalyptol	0.00040	0.00010	ND	ND
p-Cymene	0.00030	0.00010	0.00300	0.0300	Geraniol	0.00110	0.00040	ND	ND
β -Myrcene	0.00040	0.00010	0.00100	0.0100	Linalool	0.00040	0.00010	ND	ND
α -Bisabolol	0.00040	0.00010	ND	ND	(-)-Guaiol	0.00030	0.00010	ND	ND
α -Humulene	0.00010	0.00005	ND	ND	(-)-Isopulegol	0.00009	0.00030	ND	ND
α -Terpinene	0.00030	0.00010	ND	ND	Terpinolene	0.00200	0.00070	ND	ND
β -Caryophyllene	0.00120	0.00040	ND	ND	trans-Nerolidol	0.00120	0.00040	ND	ND
Camphene	0.00020	0.00006	ND	ND	trans-Ocimene	0.00030	0.00010	ND	ND
Caryophyllene Oxide	0.00030	0.00010	ND	ND	Total			0.19400	1.9400

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ), *analytical instrumentation used:HS-GC-MS*



Infinite Chemical Analysis Labs MI, LLC
4400 Ann Arbor Rd
Jackson, MI
(517) 252-4587
/www.infinitecalMI.com
Lic# AU-SC-000101

David Egerton
Laboratory Director
03/17/2022

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support@confidentcannabis.com
(866) 506-5866
www.confidentcannabis.com



This product has been tested by Infinite Chemical Analysis, LLC (ICAL) using valid testing methods and a quality system as required by state law. Results relate only to the product tested. Samples are collected according to ICAL SOP SAMP-001 unless provided by the client directly. ICAL makes no claims as to the efficacy, safety or other risks associated with any detected or not-detected levels of any compounds reported herein. Pass/Fail determinations are based upon limits in the Sampling and Testing Technical Guidance For Marijuana Products document (ver 3), and do not consider measurement uncertainty. Measurement Uncertainty available upon request. This Certificate shall not be reproduced except in full, without written approval from ICAL.



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Pesticides

Not Tested

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
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NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ) , *analytical instrumentation used:LC-MSMS & GC-MSMS*



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Residual Solvent Analysis

Analytes	LOQ	LOD	Limit	Status	Analytes	LOQ	LOD	Limit	Status
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NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ) , *analytical instrumentation used=HS-GC-MS*

Heavy Metal Screening

LOQ	LOD	Limit	Status
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NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ) , *analytical instrumentation used:ICP-MS*, R&D Metals testing is performed against Vape Concentrate limits, as required by Metrc

Microbiological Screening

Result	Status
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ND=Not Detected; *analytical instrumentation used:qPCR*



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