



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20190416-017
Sample: 1904ICA1789.5277
THRIVAL
Strain: THRIVAL
Category: Ingestible

LEEF
Lic. #
None
San Diego, CA 92121
Lic. #

Batch#:
Primary Size:
Total/Batch Size:
Collected: 04/19/2019; Received: 04/19/2019
Completed: 04/19/2019

Moisture NT	Δ9-THC 6.75 mg/unit	CBD 141.02 mg/unit	Total Cannabinoids 397.03 mg/unit	Total Terpenes 0.69 mg/g
Water Activity NT				

Summary

Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	SOP:003Tincture		Complete
Terpenes	SOP:TERP.MS.Tinc	04/17/2019	Complete
Microbials	SOP:qpcrone	04/18/2019	Pass
Pesticides	PEST.002 Edible	04/18/2019	Pass
Heavy Metals	SOP:HM001	04/17/2019	Pass



Scan to see results

Cannabinoid Profile

1 Unit = bottle, 12.76 g.

Analyte	LOQ	LOD	%	mg/g	mg/unit	Analyte	LOQ	LOD	%	mg/g	mg/unit
THCa	0.33	0.20	0.041	0.41	5.21	CBDV	0.33	0.20	0.032	0.32	4.04
Δ9-THC	0.33	0.20	0.053	0.53	6.75	CBN	0.33	0.20	ND	ND	ND
Δ8-THC	0.33	0.20	ND	ND	ND	CBGa	0.33	0.20	0.025	0.25	3.24
THCV	0.33	0.20	ND	ND	ND	CBG	0.33	0.20	0.016	0.16	2.08
CBDa	0.33	0.20	1.839	18.39	234.69	CBC	0.33	0.20	ND	ND	ND
CBD	0.33	0.20	1.105	11.05	141.02	Total THC			0.089	0.89	11.32
						Total CBD			2.718	27.18	346.84
						Total			3.112	31.12	397.03

Total THC=THCa * 0.877 + Δ9-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
β-Myrcene	0.20	0.10	0.069	0.69	δ-Limonene	0.20	0.10	ND	ND
α-Bisabolol	0.20	0.10	ND	ND	Eucalyptol	0.20	0.10	ND	ND
α-Humulene	0.20	0.10	ND	ND	γ-Terpinene	0.20	0.10	ND	ND
α-Pinene	0.20	0.10	ND	ND	Geraniol	0.20	0.10	ND	ND
α-Terpinene	0.20	0.10	ND	ND	Linalool	0.20	0.10	ND	ND
β-Caryophyllene	0.20	0.10	<LOQ	<LOQ	Ocimene	0.20	0.10	ND	ND
β-Ocimene	0.20	0.10	ND	ND	(-)-Guaiol	0.20	0.10	ND	ND
β-Pinene	0.20	0.10	ND	ND	(-)-Isopulegol	0.20	0.10	ND	ND
Camphene	0.20	0.10	ND	ND	p-Cymene	0.20	0.10	ND	ND
Caryophyllene Oxide	0.20	0.10	ND	ND	Terpinolene	0.20	0.10	ND	ND
cis-Nerolidol	0.20	0.10	ND	ND	trans-Nerolidol	0.20	0.10	ND	ND
δ-3-Carene	0.20	0.10	ND	ND	Total			0.069	0.69

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-FID-FID*



Infinite Chemical Analysis Labs
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Lic# C8-18-0000019-TEMP

Josh M Swider

Josh Swider
Lab Director, Managing Partner
04/19/2019

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC 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 Infinite Chemical Analysis, LLC.



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Residual Solvent Analysis

Category 1 LOQ LOD Limit Status Category 2 LOQ LOD Limit Status Category 2 LOQ LOD Limit Status

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Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.1	0.0625	1.5	Pass
Cadmium	ND	0.1	0.0625	0.5	Pass
Lead	ND	0.1	0.0625	0.5	Pass
Mercury	ND	0.1	0.0625	3	Pass

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Microbiological Screening

	Result	Status
Aspergillus flavus	NR	NT
Aspergillus fumigatus	NR	NT
Aspergillus niger	NR	NT
Aspergillus terreus	NR	NT
shiga toxin-producing E. coli	Not Detected	Pass
Salmonella SPP	Not Detected	Pass

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



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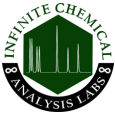
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Chemical Residue Screening

Category 1	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g					
Aldicarb	ND	0.05	0.03	Pass				
Carbofuran	ND	0.05	0.03	Pass				
Chlordane	ND	0.1	0.05	Pass				
Chlorfenapyr	ND	0.1	0.05	Pass				
Chlorpyrifos	ND	0.05	0.03	Pass				
Coumaphos	ND	0.05	0.03	Pass				
Daminozide	ND	0.05	0.03	Pass				
DDVP	ND	0.05	0.03	Pass				
Dimethoate	ND	0.05	0.03	Pass				
Ethoprophos	ND	0.05	0.03	Pass				
Etofenprox	ND	0.05	0.03	Pass				
Fenoxycarb	ND	0.05	0.03	Pass				
Fipronil	ND	0.05	0.03	Pass				
Imazalil	ND	0.05	0.03	Pass				
Methiocarb	ND	0.05	0.03	Pass				
Methyl Parathion	ND	0.1	0.05	Pass				
Mevinphos	ND	0.05	0.03	Pass				
Paclbutrazol	ND	0.05	0.03	Pass				
Propoxur	ND	0.05	0.03	Pass				
Spiroxamine	ND	0.05	0.03	Pass				
Thiacloprid	ND	0.05	0.03	Pass				

Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		
Abamectin	ND	0.05	0.03	0.3	Pass	Kresoxim Methyl	ND	0.05	0.03	1	Pass
Acephate	ND	0.05	0.03	5	Pass	Malathion	ND	0.05	0.03	5	Pass
Acequinocyl	ND	0.05	0.03	4	Pass	Metalaxyl	ND	0.05	0.03	15	Pass
Acetamiprid	ND	0.05	0.03	5	Pass	Methomyl	ND	0.45	0.2	0.1	Pass
Azoxystrobin	ND	0.05	0.03	40	Pass	Myclobutanil	ND	0.05	0.03	9	Pass
Bifenazate	ND	0.05	0.03	5	Pass	Naled	ND	0.1	0.05	0.5	Pass
Bifenthrin	ND	0.25	0.1	0.5	Pass	Oxamyl	ND	0.2	0.1	0.3	Pass
Boscalid	ND	0.05	0.03	10	Pass	Pentachloronitrobenzene	ND	0.1	0.05	0.2	Pass
Captan	ND	0.35	0.2	5	Pass	Permethrin	ND	0.25	0.1	20	Pass
Carbaryl	ND	0.05	0.03	0.5	Pass	Phosmet	ND	0.05	0.03	0.2	Pass
Chlorantraniliprole	ND	0.05	0.03	40	Pass	Piperonyl Butoxide	ND	0.25	0.1	8	Pass
Clofentezine	ND	0.05	0.03	0.5	Pass	Prallethrin	ND	0.05	0.03	0.4	Pass
Cyfluthrin	ND	0.35	0.25	1	Pass	Propiconazole	ND	0.05	0.03	20	Pass
Cypermethrin	ND	0.35	0.2	1	Pass	Pyrethrins	ND	0.25	0.1	1	Pass
Diazinon	ND	0.05	0.03	0.2	Pass	Pyridaben	ND	0.05	0.03	3	Pass
Dimethomorph	ND	0.05	0.03	20	Pass	Spinetoram	ND	0.05	0.03	3	Pass
Etoxazole	ND	0.05	0.03	1.5	Pass	Spinosad	ND	0.05	0.03	3	Pass
Fenhexamid	ND	0.05	0.03	10	Pass	Spiromesifen	ND	0.05	0.03	12	Pass
Fenpyroximate	ND	0.05	0.03	2	Pass	Spirotetramat	ND	0.05	0.03	13	Pass
Flonicamid	ND	0.05	0.03	2	Pass	Tebuconazole	ND	0.05	0.03	2	Pass
Fludioxonil	ND	0.05	0.03	30	Pass	Thiamethoxam	ND	0.25	0.1	4.5	Pass
Hexythiazox	ND	0.05	0.03	2	Pass	Trifloxystrobin	ND	0.05	0.03	30	Pass
Imidacloprid	ND	0.35	0.1	3	Pass						

Unknown Analyte(s):

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