ATTE CHENHCA	Certificat	e of Analysis			QA SAMPLE - IN	NFORMATIONAL ONLY		
PARTIES IN THE	ICAL ID: 20190423 Sample: 1904ICA1 CBD Hemp Oil Patc Strain: CBD Hemp O Category: Topical	917.5630 h	Pure Ratios Lic. # San Diego, CA 92 Lic. #	110	Batch#: Primary Size: Total/Batch Size: Collected: 04/25/ Completed: 04/25	2019; Received: 04/25/2019		
Moisture Δ9-TH			CE	BD	Total Cannabinoids	Total Terpenes		
Wate	NT er Activity NT	0.05 mg/uni	t 44.97 n	ng/unit	45.02 mg/unit	NT		
Summary Batch	SOP Us	ed Date Teste	Complete					
Cannabinoids	SOP:003T	opical 04/24/2019				Scan to see results		

Cannabinoid Profile

Analyte	LOQ	LOD	%	mg/g	mg/unit	Analyte	LOQ	LOD	%	mg/g	mg/unit
THCa	0.01	0.01	ND	ND	ND	CBDV	0.01	0.01	NR	NR	NR
∆9-THC	0.01	0.01	0.011	0.11	0.05	CBN	0.01	0.01	ND	ND	ND
∆8-THC	0.01	0.01	NR	NR	NR	CBGa	0.01	0.01	ND	ND	ND
THCV	0.01	0.01	NR	NR	NR	CBG	0.01	0.01	ND	ND	ND
CBDa	0.01	0.01	ND	ND	ND	CBC	0.01	0.01	NR	NR	NR
CBD	0.01	0.01	9.200	92.00	44.97	Total THC			0.011	0.11	0.05
						Total CBD			9.200	92.00	44.97
						Total			9.210	92.10	45.02

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
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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-FID-FID*



Infinite Chemical Analysis Labs 8380 Miramar Mall #102 San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-18-0000019-TEMP

Swider

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1 Unit = patch, 0.4888 g.

Josh Swider Lab Director, Managing Partner 04/25/2019

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.



Certificate of Analysis

ICAL ID: 20190423-034 Sample: 1904ICA1917.5630 CBD Hemp Oil Patch Strain: CBD Hemp Oil Patch Category: Topical Pure Ratios Lic. # San Diego, CA 92110

Lic.#

2 of 3

Batch#: Primary Size: Total/Batch Size: Collected: 04/25/2019; Received: 04/25/2019 Completed: 04/25/2019

Residual Solvent Analysis

Category 1	LOQ LOD	Limit Stat	is Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status

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*

Heavy Metal Screening

|--|

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*

Microbiological Screening

Result	Status

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



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Josh Swider Lab Director, Managing Partner 04/25/2019

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Certificate of Analysis

ICAL ID: 20190423-034 Sample: 1904ICA1917.5630 CBD Hemp Oil Patch Strain: CBD Hemp Oil Patch Category: Topical

Pure Ratios Lic.# San Diego, CA 92110

Lic.#

QA SAMPLE - INFORMATIONAL ONLY

3 of 3

Batch#: Primary Size: Total/Batch Size: Collected: 04/25/2019: Received: 04/25/2019 Completed: 04/25/2019

Chemical Residue Screening

Category 1	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status

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

Unknown Analyte(s):

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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Josh Swider Lab Director, Managing Partner 04/25/2019

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