



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20190913-045
Sample: 1909ICA4795.14067
twn01-01
Strain: twn01-01
Category: Topical

Twins Originals
Lic. #
None
San Diego, CA 92121
Lic. #

Batch#:
Primary Size:
Total/Batch Size:
Collected: 09/16/2019; Received: 09/16/2019
Completed: 09/16/2019

Moisture NT Water Activity NT	Δ 9-THC ND	CBD 9.09 mg/g	Total Cannabinoids 9.09 mg/g	Total Terpenes 0.000 mg/g
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Summary

SOP Used	Date Tested	
Batch	09/13/2019	Pass
Cannabinoids	09/13/2019	Complete
Terpenes	09/13/2019	Complete
Mycotoxins	09/13/2019	Pass
Pesticides	09/13/2019	Pass



Scan to see results

Cannabinoid Profile

Analyte	LOQ	LOD	%	mg/g	Analyte	LOQ	LOD	%	mg/g
THCa	0.03	0.02	ND	ND	CBDV	0.03	0.02	<1	<1
Δ 9-THC	0.03	0.02	ND	ND	CBN	0.03	0.02	ND	ND
Δ 8-THC	0.03	0.02	ND	ND	CBGa	0.03	0.02	ND	ND
THCV	0.03	0.02	ND	ND	CBG	0.03	0.02	ND	ND
CBDa	0.03	0.02	ND	ND	CBC	0.03	0.02	ND	ND
CBD	0.03	0.02	0.909	9.09	Total			0.909	9.09

Total THC=THCa * 0.877 + Δ 9-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
α -Bisabolol	0.025	0.010	<LOQ	<LOQ	δ -Limonene	0.025	0.010	ND	ND
α -Humulene	0.025	0.010	ND	ND	Eucalyptol	0.025	0.010	ND	ND
α -Pinene	0.025	0.010	ND	ND	γ -Terpinene	0.025	0.010	ND	ND
α -Terpinene	0.025	0.010	ND	ND	Geraniol	0.025	0.010	ND	ND
β -Caryophyllene	0.025	0.010	ND	ND	Linalool	0.025	0.010	ND	ND
β -Myrcene	0.025	0.010	ND	ND	(-)-Guaiol	0.025	0.010	ND	ND
β -Pinene	0.025	0.010	ND	ND	(-)-Isopulegol	0.025	0.010	ND	ND
Camphene	0.025	0.010	ND	ND	p-Cymene	0.025	0.010	ND	ND
Caryophyllene Oxide	0.025	0.010	ND	ND	Terpinolene	0.025	0.010	ND	ND
cis-Nerolidol	0.025	0.010	ND	ND	trans-Nerolidol	0.025	0.010	ND	ND
cis-Ocimene	0.025	0.010	ND	ND	trans-Ocimene	0.025	0.010	ND	ND
δ -3-Carene	0.025	0.010	ND	ND	Total			0	0

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



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Josh M Swider

Josh Swider
Lab Director, Managing Partner
09/16/2019

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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
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Microbiological Screening

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



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Chemical Residue Screening

Category 1		LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status	
	µg/g	µg/g	µg/g			µg/kg	µg/kg	µg/kg		
Aldicarb	ND	0.05	0.03	Pass	B1	ND	5	3	Tested	
Carbofuran	ND	0.05	0.03	Pass	B2	ND	5	3	Tested	
Chlordane	ND	0.1	0.05	Pass	G1	ND	5	3	Tested	
Chlorfenapyr	ND	0.1	0.05	Pass	G2	ND	5	3	Tested	
Chlorpyrifos	ND	0.05	0.03	Pass	Ochratoxin A	ND	10	7	20	Pass
Coumaphos	ND	0.05	0.03	Pass	Total Aflatoxins	ND		20	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						
Paclobutrazol	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	0.05	0.03	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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