



Certificate of Analysis



Pure Kana

7272 Indian School Road
Scottsdale, NV 85251

Sample: 1906ACE0974_I_05613

Strain: CBD-RICH HEMP OIL TINCTURE 600MG

Sample Received: 06/26/2019; Report Created: 07/01/2019; Expires:

Lic. #

CBD-RICH HEMP OIL TINCTURE 600MG

Ingestible, Tincture

Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Safety

Pass Microbials	Pass Foreign Matter
Pass <i>0.23850 aw</i> Water Activity	Not Tested NT pH

Cannabinoids

1 unit = , 30g

26.745 mg per container Δ9-THC + Δ8-THC	641.111 mg per container CBD
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Analyte	LOQ	Mass	Mass
	mg/g	mg/g	mg/unit
THCa	0.020	ND	ND
Δ9-THC	0.020	0.89	26.75
Δ8-THC	0.020	ND	ND
THCVa	0.020	ND	ND
THCV	0.020	ND	ND
CBDa	0.020	ND	ND
CBD	0.020	21.37	641.11
CBDV	0.020	ND	ND
CBN	0.020	ND	ND
CBGa	0.020	ND	ND
CBG	0.020	ND	ND
CBC	0.020	ND	ND
Total		22.262	667.856

Total THC = THCa * 0.877 + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD
LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Cannabinoids: SOP 2-POT; Moisture: SOP 2-MA; Terpenes: SOP 2-TER; Water Activity: 2-AW;

Terpenes

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Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
α-Bisabolol	0.02	ND	ND
α-Humulene	0.02	ND	ND
α-Pinene	0.02	ND	ND
α-Terpinene	0.02	ND	ND
β-Caryophyllene	0.02	ND	ND
β-Myrcene	0.02	ND	ND
β-Pinene	0.02	ND	ND
Camphene	0.02	ND	ND
Caryophyllene Oxide	0.02	ND	ND
δ-3-Carene	0.02	ND	ND
δ-Limonene	0.02	ND	ND
Eucalyptol	0.02	ND	ND
γ-Terpinene	0.02	ND	ND
Geraniol	0.02	ND	ND
Guaïol	0.02	ND	ND
Isopulegol	0.02	ND	ND
Linalool	0.02	ND	ND
Ocimene	0.02	ND	ND
p-Cymene	0.02	ND	ND
Terpinolene	0.02	ND	ND
trans-Nerolidol	0.02	ND	ND
Total		0.00	0

Ace Analytical Laboratory
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Darryl Johnson, PhD
Scientific Director

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This product has been tested by Ace Analytical Labs using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Ace Analytical Labs 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 Ace Analytical Labs.



Ace Analytical Laboratory

Certificate of Analysis



PJLA Testing Accreditation #100224

2 of 2

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Pesticides

Not Tested

Analyte	LOQ	Limit	Mass	Status

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Microbials

Pass

Analyte	LOQ	Limit	Mass	Status
	CFU/g	CFU/g	CFU/g	
Aerobic Bacteria	100	100000	ND	Pass
Bile-Tolerant Gram-Negative Bacteria	100	1000	ND	Pass
Coliforms	100	1000	ND	Pass
E. Coli		1	ND	Pass
Salmonella		1	ND	Pass

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Residual Solvents

Not Tested

Analyte	LOQ	Limit	Mass	Status

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Heavy Metals

Not Tested

Analyte	LOQ	Limit	Mass	Status

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Mycotoxins

Not Tested

Analyte	LOQ	Limit	Mass	Status

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Sample Information				RS (GCMS-MS)	ppm	RL	Terpenes (HPLC)	mg/mL	%
Sample Identification	600mg Natural Tincture			Compound			Compound		
Laboratory Number	1910176-04			Acetone	NT	NT	alpha-Bisabolol	NT	NT
Batch Number				Acetonitrile	NT	NT	(-)-Borneol and (+)-Borneol	NT	NT
Matrix	Tincture			Benzene	NT	NT	Camphene	NT	NT
Cannabinoid (HPLC)	mg/mL	mg/unit	%	n-Butane	NT	NT	Camphor	NT	NT
Compound				Carbon Tetrachloride	NT	NT	beta-Caryophyllene	NT	NT
THCA	NT	NT	NT	Chloroform	NT	NT	trans-Caryophyllene	NT	NT
delta 9-THC	NT	NT	NT	1,2-Dichloroethane	NT	NT	Caryophyllene Oxide	NT	NT
delta 8-THC	NT	NT	NT	Ethanol	NT	NT	alpha-Cedrene	NT	NT
THCV	NT	NT	NT	Ethyl acetate	NT	NT	Cedrol	NT	NT
CBDA	NT	NT	NT	Ethylene oxide	NT	NT	Endo-fenchyl Alcohol	NT	NT
CBD	NT	NT	NT	n-Heptane	NT	NT	Eucalyptol	NT	NT
CBD-V	NT	NT	NT	n-Hexane	NT	NT	Fenchone	NT	NT
CBN	NT	NT	NT	iso-Butane	NT	NT	Geraniol	NT	NT
CBG	NT	NT	NT	iso-Pentane	NT	NT	Geranyl acetate	NT	NT
CBC	NT	NT	NT	Methylene Chloride	NT	NT	Guaiol	NT	NT
Cannabinoids Total				n-Pentane	NT	NT	Hexahydrothymol	NT	NT
Max Active THC	0.00	0.00	0.00	Propane	NT	NT	alpha-Humulene	NT	NT
Max Active CBD	0.00	0.00	0.00	2-Propanol (IPA)	NT	NT	Isoborneol	NT	NT
T.Active Cannabinoids				Tetrahydrofuran	NT	NT	Isopulegol	NT	NT
Total Cannabinoids				Toluene	NT	NT	Limonene	NT	NT
Max Active Ratios				Trichloroethane	NT	NT	Linalool	NT	NT
: 1 CBD to THC				o-xylene	NT	NT	p-Mentha-1,5-diene	NT	NT
:1 THC to CBD				Xylenes (m,p)	NT	NT	beta-Myrcene	NT	NT
							trans-Nerolidol	NT	NT
							Ocimene Isomer 1	NT	NT
							alpha-Pinene	NT	NT
							beta-Pinene	NT	NT
							Pulegone	NT	NT
							Sabinene	NT	NT
							Sabinene Hydrate	NT	NT
							gamma-Terpinene	NT	NT
							alpha-Terpinene	NT	NT
							alpha-Terpineol	NT	NT
							3-Carene	NT	NT
							Ocimene Isomer 2	NT	NT
							gamma-Terpineol	NT	NT
							Terpinolene	NT	NT
							Valencene	NT	NT
							Nerol	NT	NT
							cis-Nerolidol	NT	NT
							Total Terpenes	NT	NT



Metals	ppm	RL
Compound		
Arsenic	NT	NT
Cadmium	NT	NT
Mercury	NT	NT
Lead	NT	NT
Percent Moisture		
NT %		
Water Activity		
NT		

RL = Reporting Limit
 NA = Not Applicable
 NT = Not Tested
 ND = Non Detected