



Certificate of Analysis



Pure Kana

7272 Indian School Road
Scottsdale, NV 85251

Sample: 1906ACE0974_I_05611

Strain: CBD-RICH HEMP OIL TINCTURE 300MG VANILLA

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

Lic. #

CBD-RICH HEMP OIL TINCTURE 300MG VANILLA

Ingestible, Tincture

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



Safety

Pass Microbials	Pass Foreign Matter
Pass <i>0.22380 aw</i> Water Activity	Not Tested NT pH

Cannabinoids

1 unit = , 30g

11.088 mg per container Δ9-THC + Δ8-THC	327.403 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	0.37	11.09
Δ8-THC	0.020	ND	ND
THCVa	0.020	ND	ND
THCV	0.020	ND	ND
CBDa	0.020	ND	ND
CBD	0.020	10.91	327.40
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		11.283	338.491

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
Guaiol	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

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. Microbiology plating: SOP 2-MIC; Microbiology qPCR: SOP 2-qPCR;

Residual Solvents

Not Tested

Analyte	LOQ	Limit	Mass	Status

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Heavy Metals

Not Tested

Analyte	LOQ	Limit	Mass	Status

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. Heavy Metals: SOP 2-HMN;

Mycotoxins

Not Tested

Analyte	LOQ	Limit	Mass	Status

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Sample Information			
Sample Identification	300mg Vanilla Tincture		
Laboratory Number	1910176-03		
Batch Number			
Matrix	Tincture		
Cannabinoid (HPLC)	mg/mL	mg/unit	%
Compound			
THCA	NT	NT	NT
delta 9-THC	NT	NT	NT
delta 8-THC	NT	NT	NT
THCV	NT	NT	NT
CBDA	NT	NT	NT
CBD	NT	NT	NT
CBD-V	NT	NT	NT
CBN	NT	NT	NT
CBG	NT	NT	NT
CBC	NT	NT	NT
Cannabinoids Total			
Max Active THC	0.00	0.00	0.00
Max Active CBD	0.00	0.00	0.00
T.Active Cannabinoids			
Total Cannabinoids			
Max Active Ratios			
	: 1 CBD to THC		
	:1 THC to CBD		

RS (GCMS-MS)	ppm	RL
Compound		
Acetone	NT	NT
Acetonitrile	NT	NT
Benzene	NT	NT
n-Butane	NT	NT
Carbon Tetrachloride	NT	NT
Chloroform	NT	NT
1,2-Dichloroethane	NT	NT
Ethanol	NT	NT
Ethyl acetate	NT	NT
Ethylene oxide	NT	NT
n-Heptane	NT	NT
n-Hexane	NT	NT
iso-Butane	NT	NT
iso-Pentane	NT	NT
Methylene Chloride	NT	NT
n-Pentane	NT	NT
Propane	NT	NT
2-Propanol (IPA)	NT	NT
Tetrahydrofuran	NT	NT
Toluene	NT	NT
Trichloroethane	NT	NT
o-xylene	NT	NT
Xylenes (m,p)	NT	NT

Terpenes (HPLC)	mg/mL	%
Compound		
alpha-Bisabolol	NT	NT
(-)-Borneol and (+)-Borneol	NT	NT
Camphene	NT	NT
Camphor	NT	NT
beta-Caryophyllene	NT	NT
trans-Caryophyllene	NT	NT
Caryophyllene Oxide	NT	NT
alpha-Cedrene	NT	NT
Cedrol	NT	NT
Endo-fenchyl Alcohol	NT	NT
Eucalyptol	NT	NT
Fenchone	NT	NT
Geraniol	NT	NT
Geranyl acetate	NT	NT
Guaiol	NT	NT
Hexahydrothymol	NT	NT
alpha-Humulene	NT	NT
Isoborneol	NT	NT
Isopulegol	NT	NT
Limonene	NT	NT
Linalool	NT	NT
p-Mentha-1,5-diene	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