

Certificate of Analysis

Sample Name:	CBD Tincture OG Kush 10ml
LIMS Sample ID:	181102Y062
Batch #:	
Sample Metrc ID:	
Sample Type:	Infused, Other
Batch Count:	
Sample Count:	
Unit Volume:	10 Milliliters per Unit

Moisture Test Results

Moisture	% Ad	ction Limit %			
Cannabinoid Test Results		11		/06/2018	
Cannabinoid analysis utili (HPLC, QSP 5-4-4-4)	zing High Performa	ance Liquid Chro	matograp	ohy	
TUC	mg/mL			OQ mg/m	
THC	ND ND	0.000		0.001	
THCa CBD		0.000		0.001	
000	197.303	0.000		0.001	
CBDa	ND	0.000		0.001	
CBN	ND	0.000		0.001	
CBDV	0.576	0.000		0.001	
CBDVa	ND	0.000		0.001	
CBG	ND	0.000		0.001	
CBGa	ND	0.000		0.001	
THCV	ND	0.000		.001	
∆8 - THC	ND	0.000		.001	
CBC	ND	0.000	095 0	.001	
	197.879	1	978.790	ma/Unit	
Total THC (∆9THC+0.877	7*THCa) ND		1973.030	ND	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C	7*THCa) ND CBDa) 197.303		1973.030	ND	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis	2*THCa) ND CBDa) 197.303 : Results		1973.030 11/0 4	ND mg/Unit 6/2018	
Sum of Cannabinoids: Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS)	2*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron	natography - Ma	1973.030 11/0 ss Spectro	ND mg/Unit 6/2018 ometry	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS)	2*THCa) ND CBDa) 197.303 : Results		1973.030 11/0 ss Spectro	ND mg/Unit 6/2018 ometry	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1.2-Dichloroethane Benzene	2*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron μg/g NT	natography - Ma	1973.030 11/0 ss Spectro	ND mg/Unit 6/2018 ometry	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform	r*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron	natography - Ma	1973.030 11/0 ss Spectro	ND mg/Unit 6/2018 ometry	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide	r*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron	natography - Ma	1973.030 11/0 ss Spectro	ND mg/Unit 6/2018 ometry	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene chloride	r*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron	natography - Ma	1973.030 11/0 ss Spectro	ND mg/Unit 6/2018 ometry	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Chloride Trichloroethylene	r*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron	natography - Ma	1973.030 11/0 ss Spectro	ND mg/Unit 6/2018 ometry	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene Chloride Trichloroethylene Acetone	r*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron ^{µg/g} NT NT NT NT NT NT NT	natography - Ma Action Limit µg/g	1973.030 11/0 ss Spectro LOD µg/g	ND mg/Unit 6/2018 ometry LOQ μg/g	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene chloride Trichloroethylene Acetone Acetone	r*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron ^{µg/g} NT NT NT NT NT NT NT NT	natography - Ma Action Limit µg/g 5000.0	1973.030 11/0 ss Spectro LOD µg/g 371.43	ND mg/Unit 6/2018 ometry LOQ μg/g	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene chloride Trichloroethylene Acetonitrile Butane Ethanol	r*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron ^{µg/g} NT NT NT NT NT NT NT ND ND ND ND	natography - Ma Action Limit µg/g 5000.0 410.0 5000.0 5000.0	1973.030 11/0 ss Spectro LOD µg/g 371.43 0.657 107.06 149.81	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1.2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene Oxide Methylene Chloride Trichloroethylene Acetonitrile Butane Ethanol Ethanol Ethyl acetate	r*THCa) ND CBDa) 197.303 : Results utilizing Gas Chron ^{µg/g} NT NT NT NT NT NT ND ND ND ND ND	natography - Ma Action Limit µg/g 5000.0 410.0 5000.0 5000.0 5000.0	1973.030 11/0 ss Spectro LOD μg/g 371.43 0.657 107.06 149.81 149.48	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94 437.97	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene Chloride Trichloroethylene Acetone Acetonitrile Butane Ethanol Ethyla cetate Ethyl ether	Results tilizing Gas Chron Hg/g NT NT NT NT ND ND ND ND ND ND	natography - Ma Action Limit µg/g 5000.0 410.0 5000.0 5000.0 5000.0 5000.0	1973.030 11/0 ss Spectro LOD μg/g 371.43 0.657 107.06 149.81 149.48 375.12	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94 437.97 1099.1	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene Chloride Trichloroethylene Acetone Acetone Acetone Acetonitrile Butane Ethanol Ethyl acetate Ethyl acetate Ethyl ether Heptane	Results tilizing Gas Chron utilizing Gas Chron utilizing Min NT NT NT NT NT NT ND ND ND ND ND ND ND ND ND	hatography - Ma Action Limit μg/g 5000.0 410.0 5000.0 5000.0 5000.0 5000.0 5000.0	1973.030 11/0 ss Spectro LOD μg/g 371.43 0.657 107.06 149.81 149.48 375.12 149.21	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94 437.97 1099.1 437.17	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene chloride Trichloroethylene Acetonitrile Butane Ethanol Ethyl acetate Ethyl acetate Ethyl ether Heptane Heptane Hexane	Results tilizing Gas Chron Hg/g NT NT NT NT ND ND ND ND ND ND	natography - Ma Action Limit µg/g 5000.0 410.0 5000.0 5000.0 5000.0 5000.0	1973.030 11/0 ss Spectro LOD μg/g 371.43 0.657 107.06 149.81 149.48 375.12	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94 437.97 1099.1	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1.2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene Oxide Methylene Oxide Methylene Chloride Trichloroethylene Acetonitrile Butane Ethanol Ethanol Ethyl actate Ethyl ether Heptane Hexane Isopropyl Alcohol	Results trilizing Gas Chron utilizing Gas Chron utilizing NT NT NT NT NT ND ND ND ND ND ND ND ND ND ND	Action Limit µg/g 5000.0 410.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 290.0	1973.030 11/0 ss Spectro LOD μg/g 371.43 0.657 107.06 149.81 149.48 375.12 149.21 18.5	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94 437.97 1099.1 437.17 54.22	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1.2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene chloride	2*THCa) ND CBDa) 197.303 Results utilizing Gas Chron ^{µg/g} NT NT NT NT NT ND ND ND ND ND ND ND ND ND ND	natography - Ma Action Limit µg/g 5000.0 410.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0	1973.030 11/0 ss Spectro LOD μg/g 371.43 0.657 107.06 149.81 149.81 149.21 149.21 18.5 74.61	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94 437.97 1099.1 437.17 54.22 218.59	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene Aloride Trichloroethylene Acetone Acetone Acetone Acetone Ethyl acetate Ethyl acetate Pentane Pentane Propane	Results tilizing Gas Chron utilizing Gas Chron utilizing Market NT NT NT NT ND ND ND ND ND ND ND ND ND ND	Action Limit μg/g 5000.0 410.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0	1973.030 11/0 ss Spectro LOD μg/g 371.43 0.657 107.06 149.81 149.48 375.12 149.21 18.5 74.61 96.47 149.25 106.66	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94 437.97 1099.1 437.17 54.22 218.59 282.66 437.31 312.5	
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C Residual Solvent Test Residual Solvent analysis (GC - MS) 1,2-Dichloroethane Benzene Chloroform Ethylene Oxide Methylene Chloride Trichloroethylene Acetone Acetone Acetonitrile Butane Ethyl acetate Ethyl acetate	Results tilizing Gas Chron Pg/g NT NT NT NT ND ND ND ND ND ND ND ND ND ND	Action Limit µg/g 5000.0 410.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0 5000.0	1973.030 11/0 ss Spectro LOD μg/g 371.43 0.657 107.06 149.81 149.81 149.21 18.5 74.61 96.47 149.25	ND mg/Unit 6/2018 ometry LOQ μg/g 1088.28 1.925 313.69 438.94 437.97 1099.1 437.17 54.22 218.59 282.66 437.31	

Date Collected:	11/02/2018	
Date Received:	11/04/2018	
Tested for:	Cannapresso	
License #:		
Address:	CA	
Produced by:		
License #:		
Address:		
Overall result for t	oatch:	

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g / %		mg/g / %
α Bisabolol	NT		NT
α Pinene	NT		NT
	NT		NT
	NT	Myrcene	NT
	NT	Fenchol	NT
	NT	α Phellandrene	NT
α Humulene	NT		NT
	NT	Terpineol	NT
Valencene	NT	β Pinene	NT
Menthol	NT	R-(+)-Pulegone	NT
Nerolidol	NT		NT
	NT	Citronellol	NT
Eucalyptol	NT	p-Cymene	NT
α Cedrene	NT		NT
	NT		NT
	NT		NT
Sabinene	NT		NT
γ Terpinene	NT		
Total Terpene Concentra	tion:		NT
Microbiological Test F	Results	1	1/06/2018

11/06/2018

PCR and fluorescence detection of microbiological impurities

Shiga toxin-producing Escherichia coli	ND	Action Limit
Salmonella spp.	ND	ND
	NT	
	NT	
	NT	
Aspergillus terreus	NT	
Sample Certification		



Josh Wurzer, President

Date: 11/07/2018

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CoA ID: 181102Y062-001 - Page 1 of 3



Certificate of Analysis

Sample Name:	CBD Tincture OG Kush 10ml
LIMS Sample ID:	181102Y062
Batch #:	
Sample Metrc ID:	
Sample Type:	Infused, Other
Batch Count:	
Sample Count:	
Unit Volume:	10 Milliliters per Unit

Date Collected:	11/02/2018
Date Received:	11/04/2018
Tested for:	Cannapresso
License #:	
Address:	CA
Produced by:	
License #:	
Address:	
Overall result for ba	tch

Pesticide Test Results

11/06/2018

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry

Speciforneity			
	μg/g	Action Limit µg/g	
Abamectin	ND	0.3	0.05
Bifenazate	ND	5.0	0.05
Bifenthrin	ND	0.5	0.25
Boscalid	ND	10.0	0.05
Etoxazole	ND	1.5	0.05
Imidacloprid	ND	3.0	1.5
Myclobutanil	ND	9.0	0.05
Piperonylbutoxide	ND	8.0	1.5
Pyrethrins	ND	1.0	0.25
Spinosad	ND	3.0	0.05
Spiromesifen	ND	12.0	0.05
Spirotetramat	ND	13.0	0.05

Sample Certification



Josh Wurzer, President

Date: 11/07/2018

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CoA ID: 181102Y062-001 - Page 2 of 3

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Certificate of Analysis

Sample Name:	CBD Tincture OG Kush 10ml	(Date Collected:	11/02/2018
LIMS Sample ID:	181102Y062		Date Received:	11/04/2018
Batch #:			Tested for:	Cannapresso
Sample Metrc ID:			License #:	
Sample Type:	Infused, Other		Address:	CA
Batch Count:			Produced by:	
Sample Count:			License #:	
Unit Volume:	10 Milliliters per Unit			
			Address:	
			Overall result for ba	itch:

Label Claim Test Results

Cannabinoids N Description Claim N/A N/A Terpenoids Description Claim Actual % Diff Fail Limit N/A N/A

Foreign Material Test Results

Sample Certification



Josh Wurzer, President

Date: 11/07/2018

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CoA ID: 181102Y062-001 - Page 3 of 3

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