

Certificate of Analysis



Sample # 2022-1058
Lot # MK-CDTF-PK-2

Client: BioScision Pharma Inc.
26 Henlow Bay Winnipeg, MB
R3Y 1G4
Attn: Connor Macaulay
Sample Type: Formulated Distillate
Lot Number: MK-CDTF-PK-2
BioScision sample # 2022-1058
Issued By: Dr. Ryan Lillico
Amanda Righolt

Licence Number LIC-OP005U87P5-2020
Contact - Email connorm@bioscision.com
- Phone (204) 287-7800
Sample Name MK-CDTF-PK-2 #2
Date Received 15-Jun-2022
Date of Analysis 15-18-Jun-2022
Date of Report 21-Jun-2022

Report Summary

Total THC	86.32 % w/w	Heavy Metals	Within Specification
Total CBD	0.26 % w/w	Aflatoxins	Not Detected
Total Cannabinoids	90.28 % w/w	Microbiology	Not Detected
Total Terpenes	3.979 % w/w	Residual Solvents	Within Specification

Head of Lab Reviewed and Released By:

 26 Henlow Bay Winnipeg, MB Canada R3Y 1G4	Printed Name	Dr. Brent Guppy
	Title	Chief Scientific Officer, Head of Laboratories
	Signature	
	Date	21-Jun-2022

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Test	Method	Specification		Result		
Cannabinoid Potency						
		LOD (%w/w)	LOQ (%w/w)	Cannabinoid	mg/g	%w/w
THC / CBD	SOP-QCA-012 HPLC-UV	0.05	0.1	THC	863.2	86.32
		0.05	0.1	THCA	<0.5	<0.05
Other Cannabinoids		0.05	0.1	CBD	2.6	0.26
		0.05	0.1	CBDA	<0.5	<0.05
		0.05	0.1	CBDV	<0.5	<0.05
		0.05	0.1	CBGA	1.8	0.18
		0.05	0.1	CBG	11.7	1.17
		0.05	0.1	THCV	1.9	0.19
		0.05	0.1	CBN	7.3	0.73
		0.05	0.1	CBC	14.3	1.43
Total Cannabinoids				Total THC	863.2	86.32
				Total CBD	2.6	0.26
				Total Cannabinoid	902.8	90.28
		Total THC = ([THCA] × 0.877) + [THC] Total CBD = ([CBDA] × 0.877) + [CBD]				
Terpene Potency						
		LOD (%w/w)	LOQ (%w/w)	Terpene	%w/w	
Terpenes	SOP-QCA-009 HS-GCMS	0.002	0.005	beta-Myrcene	1.417	
		0.002	0.005	Terpinolene	1.139	
		0.002	0.005	beta-Ocimine	0.345	
		0.002	0.005	D-Limonene	0.251	
		0.002	0.005	alpha-pinene	0.197	
		0.002	0.005	p-Cymene	0.153	
		0.002	0.005	beta-Pinene	0.144	
		0.002	0.005	Caryophyllene	0.106	
		0.002	0.005	3-Carene	0.093	
		0.002	0.005	alpha-Terpinene	0.041	
		0.002	0.005	Linalool	0.034	
		0.002	0.005	Humelene	0.024	
		0.002	0.005	gamma-Terpinene	0.025	
		0.002	0.005	Camphene	0.006	
		0.002	0.005	Geraniol	<0.005	
		0.002	0.005	Guaiol	<0.002	
		0.002	0.005	trans-Nerolidol	<0.002	
		0.002	0.005	Neoisopulegol	<0.002	
0.002	0.005	alpha-bisabolol	<0.002			
				Total	3.979	

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Identity						
Appearance Visual	SOP-QCA-014	The sample is visually inspected to ensure it is essentially free of hair, insects and other solids.			Formulated Distillate inspected and free of foreign material.	
Microbiology						
<i>E. coli</i>	SOP-QCA-017 AOAC	Absent in 1 gram or 1 mL USP <1111>			Absent in 1 gram	
<i>Salmonella spp</i>	SOP-QCA-017 AOAC	Absent in 1 gram or 1 mL USP <1111>			Absent in 1 gram	
<i>P. aeruginosa</i>	SOP-QCA-017 AOAC	Absent in 1 gram or 1 mL USP <1111>			Absent in 1 gram	
<i>S. aureus</i>	SOP-QCA-017 AOAC	Absent in 1 gram or 1 mL USP <1111>			Absent in 1 gram	
		LOD (CFU/g)	LOQ (CFU/g)	RL (CFU/g)	Enumeration	CFU/g
Total Aerobic (TAMC)	SOP-QCA-017 AOAC	10	50	100	TAMC	< 10
Total Yeast/Mold (TYMC)	USP <1111>	10	50	10	TYMC	< 10
Bile Tolerant Gram Negative Bacteria		10	50	Absent	BTGN	Absent
Metals						
		LOD (ppm)	LOQ (ppm)	RL (ppm)	Metal	ppm
Heavy Metals	SOP-QCA-008 ICP-OES USP <233>, <232> (Limit)	0.025	0.050	0.200	Arsenic (As)	0.138
		0.004	0.013	0.100	Mercury (Hg)	<0.004
		0.063	0.125	0.500	Lead (Pb)	<0.125
		0.008	0.025	0.200	Cadmium (Cd)	<0.008
Toxins						
		LOD (ppm)	LOQ (ppm)	RL (ppm)	Aflatoxin	ppm
Aflatoxins	SOP-QCA-011 LC-MSMS E.P. 2.8.18	0.002	0.005	0.002	B1	<0.002
		0.002	0.020	0.004	Total (B1, B2, G1, G2)	<0.002
Residual Solvents						
		LOD (ppm)	LOQ (ppm)	RL (ppm)	Solvent	ppm
Residual Solvents	SOP-QCA-016 HS-GCMS USP <467>	50	500	5000	2-Propanol	<50
		50	500	5000	n-butane	<50
		50	500	5000	Class 3 (Mix A)	<50

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Definitions of Abbreviations

LOD: Limit of Detection

CFU: Colony Forming Unit

LOQ: Limit of Quantification

% w/w : Percent of Weight

ppm: Parts per Million

RL: Reporting Limit