

# Certificate of Analysis



Sample # 2022-1697  
Lot # GG-BDTF-PK-10

**Client:** BioScision Pharma Inc.  
26 Henlow Bay Winnipeg, MB  
R3Y 1G4  
**Attn:** Connor Macaulay  
**Sample Type:** Formulated Distillate  
**Lot Number:** GG-BDTF-PK-10  
**BioScision sample #** 2022-1697  
**Issued By:** Dr. Ryan Lillico, PhD  
Nicole Wilson, MSc

**Licence Number** LIC-OP005U87P5-2020  
**Contact - Email** connorm@bioscision.com  
**- Phone** (204) 287-7800  
**Sample Name** Gimli Glider  
**Date Received** 03-Aug-2022  
**Date of Analysis** 03-09-Aug-2022  
**Date of Report** 09-Aug-2022  
**OOS Reference** N/A

## Report Summary

<b>Total THC</b>	84.27 % w/w	<b>Heavy Metals</b>	Within Specification
<b>Total CBD</b>	0.26 % w/w	<b>Pesticides</b>	Not Tested
<b>Total Cannabinoids</b>	90.79 % w/w	<b>Aflatoxins</b>	Not Detected
<b>Total Terpenes</b>	3.799 % w/w	<b>Microbiology</b>	Not Detected
		<b>Residual Solvents</b>	Not Detected

## 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	09-Aug-2022

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Test	Method	Specification		Result		
<b>Cannabinoid Potency</b>						
		LOD (%w/w)	LOQ (%w/w)	Cannabinoid	mg/g	%w/w
THC / CBD	SOP-QCA-012 HPLC-UV	0.05	0.1	THC	842.7	84.27
		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	<0.5	<0.05
		0.05	0.1	CBG	27.5	2.75
		0.05	0.1	THCV	4.1	0.41
		0.05	0.1	CBN	12.9	1.29
Total Cannabinoids		0.05	0.1	CBC	18.1	1.81
				Total THC	842.7	84.27
				Total CBD	2.6	0.26
				Total Cannabinoid	907.9	90.79
		Total THC = ([THCA] × 0.877) + [THC] Total CBD = ([CBDA] × 0.877) + [CBD]				
Test	Method	Specification		Result		
<b>Terpene Potency</b>						
		LOD (%w/w)	LOQ (%w/w)	Terpene	%w/w	
Terpenes	SOP-QCA-009 HS-GCMS	0.002	0.005	beta-Myrcene	1.811	
		0.002	0.005	Terpinolene	1.348	
		0.002	0.005	D-Limonene	0.117	
		0.002	0.005	3-Carene	0.110	
		0.002	0.005	Humelene	0.101	
		0.002	0.005	Caryophyllene	0.088	
		0.002	0.005	alpha-pinene	0.062	
		0.002	0.005	beta-Pinene	0.059	
		0.002	0.005	Linalool	0.058	
		0.002	0.005	gamma-Terpinene	0.023	
		0.002	0.005	alpha-Terpinene	0.012	
		0.002	0.005	Geraniol	0.010	
		0.002	0.005	p-Cymene	<0.005	
		0.002	0.005	beta-Ocimine	<0.005	
		0.002	0.005	Neoisopulegol	<0.005	
		0.002	0.005	Camphene	<0.005	
		0.002	0.005	Guaiol	<0.002	
0.002	0.005	trans-Nerolidol	<0.002			
0.002	0.005	alpha-bisabolol	<0.002			
				Total	3.799	

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Test	Method	Specification			Result	
<b>Microbiology</b>						
E. coli	SOP-QCA-017 AOAC	Absent in 1 gram or 1 mL USP <1111>			Absent in 1 gram	
Salmonella spp	SOP-QCA-017 AOAC	Absent in 1 gram or 1 mL USP <1111>			Absent in 1 gram	
S. aureus	SOP-QCA-017 AOAC	Absent in 1 gram or 1 mL USP <1111>			Absent in 1 gram	
P. aeruginosa	SOP-QCA-017 AOAC	Absent in 1 gram or 1 mL USP <1111>			Absent in 1 gram	
	SOP-QCA-017 AOAC	LOD (CFU/g)	LOQ (CFU/g)	RL (CFU/g)	Enumeration	CFU/g
Total Aerobic (TAMC)	USP <1111>	10	50	100	TAMC	< 10
Total Yeast/Mold (TYMC)		10	50	10	TYMC	< 10
Bile Tolerant Gram Negative Bacteria		10	50	Absent	BTGN	Absent
<b>Metals</b>						
		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)	0.096
		0.004	0.013	0.100	Mercury (Hg)	<0.004
		0.063	0.125	0.500	Lead (Pb)	<0.063
		0.008	0.025	0.200	Cadmium (Cd)	<0.008
<b>Toxins</b>						
		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

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Test Method SOP-QCA-016 HS-GCMS USP <467>	LOD ppm	LOQ ppm	RL ppm	Result ppm	Test Method SOP-QCA-016 HS-GCMS USP <467>	LOD ppm	LOQ ppm	RL ppm	Result ppm
<b>Residual Solvents</b>									
Acetone	50	500	5000	<50	Isobutanol	50	500	5000	<50
Anisole	50	500	5000	<50	Isobutyl acetate	50	500	5000	<50
Iso-Butane	50	500	5000	<50	Isopropyl acetate	50	500	5000	<50
n-Butane	50	500	5000	<50	Methyl acetate	50	500	5000	<50
1-Butanol	50	500	5000	<50	3-Methyl-1-butanol	50	500	5000	<50
2-Butanol	50	500	5000	<50	4-Methyl-2-pentanone	50	500	5000	<50
2-Butanone	50	500	5000	<50	Methyl-tert-butyl ether	50	500	5000	<50
Butyl acetate	50	500	5000	<50	(C5) n-Pentane	50	500	5000	<50
Diethyl ether	50	500	5000	<50	1-Pentanol	50	500	5000	<50
Dimethyl sulfoxide	50	500	5000	<50	Propane	50	500	5000	<50
Ethanol	50	500	5000	<50	1-Propanol	50	500	5000	<50
Ethyl acetate	50	500	5000	<50	2-Propanol	50	500	5000	<50
Ethyl formate	50	500	5000	<50	Propyl acetate	50	500	5000	<50
(C7) n-Heptane	50	500	5000	<50					