

# Certificate of Analysis



Sample # 2022-1712  
Lot # MH-BDTF-PK-14

**Client:** BioScision Pharma Inc.  
26 Henlow Bay Winnipeg, MB  
R3Y 1G4  
**Attn:** Connor Macaulay  
**Sample Type:** Formulated Distillate  
**Lot Number:** MH-BDTF-PK-14  
**BioScision sample #** 2022-1712  
**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** Melon Head  
**Date Received** 04-Aug-2022  
**Date of Analysis** 04-09-Aug-2022  
**Date of Report** 09-Aug-2022  
**OOS Reference** N/A

## Report Summary

|                           |             |                          |                      |
|---------------------------|-------------|--------------------------|----------------------|
| <b>Total THC</b>          | 85.23 % w/w | <b>Heavy Metals</b>      | Within Specification |
| <b>Total CBD</b>          | 0.28 % w/w  | <b>Pesticides</b>        | Not Tested           |
| <b>Total Cannabinoids</b> | 91.70 % w/w | <b>Aflatoxins</b>        | Not Detected         |
| <b>Total Terpenes</b>     | 4.118 % w/w | <b>Microbiology</b>      | Not Detected         |
|                           |             | <b>Residual Solvents</b> | Not Detected         |

## Head of Lab Reviewed and Released By:

|   |                     |  |
|---|---------------------|--|
| <br>26 Henlow Bay<br>Winnipeg, MB<br>Canada R3Y 1G4 | <b>Printed Name</b> | Dr. Brent Guppy                                |
|   | <b>Title</b>        | Chief Scientific Officer, Head of Laboratories |
|   | <b>Signature</b>    |  |
|   | <b>Date</b>         | 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<br>HPLC-UV | 0.05   | 0.1        | THC               | 852.3  | 85.23 |
|                            |                        | 0.05   | 0.1        | THCA              | <0.5   | <0.05 |
| Other Cannabinoids         |                        | 0.05   | 0.1        | CBD               | 2.8    | 0.28  |
|                            |                        | 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               | 27.2   | 2.72  |
|                            |                        | 0.05   | 0.1        | THCV              | 3.9    | 0.39  |
|                            |                        | 0.05   | 0.1        | CBN               | 12.7   | 1.27  |
| Total Cannabinoids         |                        | 0.05   | 0.1        | CBC               | 18.1   | 1.81  |
|                            |                        |  |            | Total THC         | 852.3  | 85.23 |
|                            |                        |  |            | Total CBD         | 2.8    | 0.28  |
|                            |                        |  |            | Total Cannabinoid | 917.0  | 91.70 |
|                            |                        | Total THC = ([THCA] × 0.877) + [THC]<br>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<br>HS-GCMS | 0.002  | 0.005      | Terpinolene       | 1.246  |       |
|                            |                        | 0.002  | 0.005      | beta-Myrcene      | 0.758  |       |
|                            |                        | 0.002  | 0.005      | beta-Pinene       | 0.549  |       |
|                            |                        | 0.002  | 0.005      | alpha-pinene      | 0.458  |       |
|                            |                        | 0.002  | 0.005      | D-Limonene        | 0.367  |       |
|                            |                        | 0.002  | 0.005      | Caryophyllene     | 0.276  |       |
|                            |                        | 0.002  | 0.005      | Humelene          | 0.263  |       |
|                            |                        | 0.002  | 0.005      | Linalool          | 0.113  |       |
|                            |                        | 0.002  | 0.005      | 3-Carene          | 0.043  |       |
|                            |                        | 0.002  | 0.005      | gamma-Terpinene   | 0.021  |       |
|                            |                        | 0.002  | 0.005      | Geraniol          | 0.010  |       |
|                            |                        | 0.002  | 0.005      | alpha-Terpinene   | 0.009  |       |
|                            |                        | 0.002  | 0.005      | Camphene          | 0.005  |       |
|                            |                        | 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      | Guaiol            | <0.002 |       |
| 0.002                      | 0.005                  | trans-Nerolidol  | <0.002     |                   |        |       |
| 0.002                      | 0.005                  | alpha-Bisabolol  | <0.002     |                   |        |       |
|                            |                        |  |            | Total             | 4.118  |       |

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| Test                                    | Method                      | Specification                          |                |               | Result                 |        |
|---|-----------------------------|--|----------------|---------------|------------------------|--------|
| <b>Microbiology</b>                     |                             |  |                |               |                        |        |
| E. coli                                 | SOP-QCA-017<br>AOAC         | Absent in 1 gram or 1 mL<br>USP <1111> |                |               | Absent in 1 gram       |        |
| Salmonella spp                          | SOP-QCA-017<br>AOAC         | Absent in 1 gram or 1 mL<br>USP <1111> |                |               | Absent in 1 gram       |        |
| S. aureus                               | SOP-QCA-017<br>AOAC         | Absent in 1 gram or 1 mL<br>USP <1111> |                |               | Absent in 1 gram       |        |
| P. aeruginosa                           | SOP-QCA-017<br>AOAC         | Absent in 1 gram or 1 mL<br>USP <1111> |                |               | Absent in 1 gram       |        |
|   | SOP-QCA-017<br>AOAC         | LOD<br>(CFU/g)                         | LOQ<br>(CFU/g) | RL<br>(CFU/g) | Enumeration            | CFU/g  |
| Total Aerobic<br>(TAMC)                 | USP <1111>                  | 10                                     | 50             | 100           | TAMC                   | < 10   |
| Total Yeast/Mold<br>(TYMC)              |                             | 10                                     | 50             | 10            | TYMC                   | < 10   |
| Bile Tolerant Gram<br>Negative Bacteria |                             | 10                                     | 50             | Absent        | BTGN                   | Absent |
| <b>Metals</b>                           |                             |  |                |               |                        |        |
|   |                             | LOD<br>(ppm)                           | LOQ<br>(ppm)   | RL<br>(ppm)   | Metal                  | ppm    |
| Heavy Metals                            | SOP-QCA-008                 | 0.025                                  | 0.050          | 0.200         | Arsenic (As)           | 0.088  |
|   | ICP-OES                     | 0.004                                  | 0.013          | 0.100         | Mercury (Hg)           | <0.004 |
|   | USP <233>,<br><232> (Limit) | 0.063                                  | 0.125          | 0.500         | Lead (Pb)              | <0.063 |
|   |                             | 0.008                                  | 0.025          | 0.200         | Cadmium (Cd)           | <0.008 |
| <b>Toxins</b>                           |                             |  |                |               |                        |        |
|   |                             | LOD<br>(ppm)                           | LOQ<br>(ppm)   | RL<br>(ppm)   | Aflatoxin              | ppm    |
| Aflatoxins                              | SOP-QCA-011                 | 0.002                                  | 0.005          | 0.002         | B1                     | <0.002 |
|   | LC-MSMS<br>E.P. 2.8.18      | 0.002                                  | 0.020          | 0.004         | Total (B1, B2, G1, G2) | <0.002 |

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| Test Method<br>SOP-QCA-016<br>HS-GCMS<br>USP <467> | LOD<br>ppm | LOQ<br>ppm | RL<br>ppm | Result<br>ppm | Test Method<br>SOP-QCA-016<br>HS-GCMS<br>USP <467> | LOD<br>ppm | LOQ<br>ppm | RL<br>ppm | Result<br>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           |  |            |            |           |               |