

HIGH NORTH ID:  
00288453  
Date: 2023-01-16  
Certificate: 1673907512



High North Inc.  
241 Hanlan Rd, Unit 7  
Woodbridge, ON, L4L 3R7  
1-416-864-6119  
LIC-P4PNJMAC20-2022

Client: Glens  
105 claireport cres,  
etobicoke, ON, m9w 6p7  
Name: Dylan Cooper  
4166693132  
admin@glensedibles.com  
Strain: Wild Raspberry  
Lot: G23007GU  
Matrix: Oil  
Sub-matrix: Edible Solid  
Sampled: 2023-01-09  
Received: 2023-01-10

## Certificate of Analysis

| <b>Cannabinoid Analysis</b>                  | LOD (%) | LOQ (%) | wt%   | mg/g  |
|--|---------|---------|-------|-------|
| Total THC [(THCA x 0.877) + D9-THC]          |         |         | 0.044 | 0.44  |
| Total CBD [(CBDA x 0.877) + CBD]             |         |         | ND    | ND    |
| D9-THC                                       | 0.0025  | 0.005   | 0.037 | 0.372 |
| THCA-A                                       | 0.0025  | 0.005   | 0.008 | 0.077 |
| CBN  | 0.0025  | 0.005   | ND    | ND    |
| CBD  | 0.0025  | 0.005   | ND    | ND    |
| CBDA   | 0.0025  | 0.005   | ND    | ND    |
| <b>Total of all quantified cannabinoids:</b> |         |         | 0.045 | 0.449 |

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

Authorized by:

  
Krishna Patel  
Quality Assurance

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## Details of Testing

### **Cannabinoid Analysis**

LAB-MTD-020: Determination of 11 Cannabinoids in Cannabis Flower (LOQ 0.06%), Fresh Flower (LOQ 0.015%), Oil (LOQ 0.03%) and Concentrates (LOQ 0.6%) by HPLC and UHPLC

LAB-MTD-021: Determination of Cannabinoids of Individually Isolated Sample by HPLC/UHPLC

LAB-MTD-023: Determination of 11 Cannabinoids in Cannabis Tablets and Granules (LOQ 0.025%) by HPLC/UHPLC

LAB-MTD-030: Determination of 11 Cannabinoids in Cannabis Topicals (LOQ 0.005%) by HPLC/UHPLC

LAB-MTD-039: Determination of 5 Cannabinoids in Cannabis Edibles; Liquid Edibles (LOQ 0.0002%) and Solid Edibles (LOQ 0.005%) by UHPLC

### **Terpene Analysis**

LAB-MTD-035: Determination of Terpenes in Cannabis Flower and Oil by GC-MS

### **Pesticide Analysis**

LAB-MTD-010: Determination of Pesticide and Mycotoxins in Cannabis by LC-MS/MS and GC-MS/MS

LAB-MTD-040: Determination of EP Pesticide Residues in Cannabis Oil and Related Products by GC-MS/MS

LAB-MTD-041: Determination of EP Pesticide Residues in Cannabis Flower and Related Products by GC-MS/MS

LAB-MTD-046: Determination of Health Canada Pesticide Residues and Toxins in Cannabis Oil and Related Products by LC-MS/MS

### **Mycotoxin Analysis**

LAB-MTD-010: Determination of Pesticide and Mycotoxins in Cannabis by LC-MS/MS and GC-MS/MS

LAB-MTD-029: Determination of Toxins in Tablet Samples by LC-MS/MS

LAB-MTD-037: Determination of Mycotoxins in Topical/Cream Samples by LC-MS/MS

### **Heavy Metal Analysis**

LAB-MTD-027: Determination of Heavy Metals in Cannabis Samples by ICP-MS

### **Residual Solvents Analysis**

LAB-MTD-036: Determination of Residual Solvents in Cannabis Oil by GC-MS

LAB-MTD-028: Determination of Residual Solvents in Tablet Samples by GC-MS

LAB-MTD-034: Determination of Propane and Butane in Cannabis Oil by GC-MS

LAB-MTD-038: Determination of Toluene in Cannabis Isolate by GC-MS

Information is accurate unless otherwise stated. The results of this report are reflective only to material and product analyzed as received. This report shall not be reproduced, without written approval from High North Laboratories. Test Results are confidential unless explicitly waived otherwise.

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Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

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Quality Assurance

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## Details of Testing

### **Microbial Analysis**

MIC-MTD-001: Microbial Analysis of Cannabis Flower and Oil by qPCR

MIC-MTD-006: Determination of Viruses in Cannabis via qPCR and ELISA

MIC-MTD-007: Microbial Analysis of Cannabis by Culture Techniques

### **Moisture Analysis**

LAB-MTD-017: Determination of Moisture Content in Cannabis Flower

LAB-MTD-031: Water Activity Meter Setup and Operation

### **Sample Appearance and Foreign Matter**

LAB-MTD-022: Sample Appearance and Detection of Foreign Matter Content in Cannabis Samples

### **Total Ash Analysis**

LAB-MTD-043: Total Ash by Muffle Furnace in Cannabis Products

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Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

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Krishna Patel  
Quality Assurance

|   |  |  |
|---|--|--|
|  | <b>MEDZ CANNABIS INC.</b>                    |  |
|   | Ref. SOP No.:<br>SOP-015                     | FINISHED PRODUCT SPECIFICATION (GUMMY) |
|   | Document No.:<br>SOP-015.F2<br>SPEC-GUM01.02 |  |
|   |  | EFFECTIVE DATE:<br>JULY 12, 2022       |

|                               |                         |                           |                     |
|-------------------------------|-------------------------|---------------------------|---------------------|
| License # LIC-4K13KNGYVQ-2022 |                         | Sample Weight: 33.16 g    |                     |
| <b>Product</b>                | <b>Flavour</b>          | <b>Lot Number</b>         |                     |
| Edible cannabis gummies       | Wild Raspberry          | G23007GU                  |                     |
| <b>Total THC / Unit</b>       | <b>Total CBD / Unit</b> | <b>Unit Weight</b>        |                     |
| 5 mg                          | < 0.1 mg                | 11.5 g                    |                     |
| <b>Testing Lab</b>            | <b>Lab Test Ref#</b>    | <b>Storage Conditions</b> | <b>Intended Use</b> |
| High North Inc.               | 00288453                | Ambient                   | Ingestion           |

| TEST      | METHOD          | SPECIFICATION            | RESULT     | TOTAL PER UNIT | PASS<br>(CHECK) | FAIL<br>(CHECK)          |
|-----------|-----------------|--------------------------|------------|----------------|-----------------|--------------------------|
| THC       | INTERNAL METHOD | REPORT mg/g<br>TOTAL THC | 0.372 mg/g | 4.278 mg       | √               | <input type="checkbox"/> |
| TOTAL THC | INTERNAL METHOD | REPORT mg/g<br>TOTAL THC | 0.44 mg/g  | 5.06 mg        | √               | <input type="checkbox"/> |
| CBD       | INTERNAL METHOD | REPORT mg/g<br>TOTAL CBD | <0.01 mg/g | <0.01 mg       | √               | <input type="checkbox"/> |
| TOTAL CBD | INTERNAL METHOD | REPORT mg/g<br>TOTAL CBD | <0.01 mg/g | <0.01 mg       | √               | <input type="checkbox"/> |

|  |   |                                     |
|--|---|-------------------------------------|
| <b>Input Cannabis Internal Batch ID</b>  | <b>Input Cannabis Supplier &amp; Supplier Lot</b>         | <b>Test Lab &amp; CoA Reference</b> |
| GEL33230105REP-OIL01-G                   | 1985314 Ontario Ltd. D.b.a. Coulson Cannabis, lot L452-SY | High North Inc.<br>00279691         |
| <b>Finished Product Batch ID (Gummy)</b> | <b>Finished Product Lot (Gummy)</b>                       |                                     |
| GEL33230105REP-OIL01-G -GU               | G23007GU  |                                     |

**REVIEW OF INGREDIENTS**

|   |  |                           |
|---|--|---------------------------|
| <input checked="" type="checkbox"/> ACCEPTABLE<br><input type="checkbox"/> NOT ACCEPTABLE | SIGNATURE:  | DATE:<br>January 24, 2023 |
|---|--|---------------------------|

**REVIEW OF TESTING**

|   |  |                           |
|---|--|---------------------------|
| <input checked="" type="checkbox"/> ACCEPTABLE<br><input type="checkbox"/> NOT ACCEPTABLE | SIGNATURE:  | DATE:<br>January 24, 2023 |
|---|--|---------------------------|

|   |                             |  |
|---|-----------------------------|--|
|  | <b>MEDZ CANNABIS INC.</b>   |  |
|   | SOP-015.F2<br>SPEC-GUM01.02 | FINISHED PRODUCT SPECIFICATION (GUMMY) |

| Product Name            | Flavour        | Lot Number |
|-------------------------|----------------|------------|
| Edible cannabis gummies | Wild Raspberry | G23007GU   |

**DOCUMENT PREPARATION**

|  |   |                                  |
|--|---|----------------------------------|
| <input checked="" type="checkbox"/> C OF A PREPARED<br><input checked="" type="checkbox"/> C OF C PREPARED | <b>SIGNATURE:</b>  | <b>DATE:</b><br>January 24, 2023 |
|--|---|----------------------------------|

**PRODUCT DISPOSITION**

| <input checked="" type="checkbox"/> <b>RELEASE</b><br>This certifies that the material meets the acceptance criteria and complies with Good Production Practices: <ol style="list-style-type: none"> <li>1. Quality Control test data was audited and met specifications within acceptable limits.</li> <li>2. Batch Production Records have been reviewed and found to be acceptable.</li> </ol> |  |                  |
|---|--|------------------|
| <input type="checkbox"/> <b>REJECT</b><br><u>This material has been rejected for the following reason:</u>  |  |                  |
| <input type="checkbox"/> <b>QUARANTINE</b><br><u>This material has been quarantined for the following reason:</u>   |  |                  |
| AUTHORIZED BY QAP   |  |                  |
| Amy Scriver   |  | January 24, 2023 |
| <b>NAME PRINTED</b>   | <b>SIGNATURE</b>   | <b>DATE</b>      |
| <b>COMMENTS</b><br><br>N/A  |  |                  |

HIGH NORTH ID:  
00279691  
Date: 2022-12-19  
Certificate: 1671485140



High North Inc.  
241 Hanlan Rd, Unit 7  
Woodbridge, ON, L4L 3R7  
1-416-864-6119  
LIC-P4PNJMAC20-2022

Client: Coulson Cannabis  
18 Doll Side Road,  
Port Elgin, ON, N0H 2C6  
Name: Cody Coulson  
519-901-5131  
cody@coulsoncannabis.ca  
Strain: Gelato 33  
Lot: L452-SY  
Matrix: Oil  
Sub-matrix: Syrup  
Sampled: 2022-12-13  
Received: 2022-12-14

## Certificate of Analysis

| <b>Cannabinoid Analysis</b>                  | LOD (%) | LOQ (%) | wt%    | mg/g    |
|--|---------|---------|--------|---------|
| Total THC [(THCA x 0.877) + D9-THC]          |         |         | 74.194 | 741.944 |
| Total CBD [(CBDA x 0.877) + CBD]             |         |         | ND     | ND      |
| D9-THC                                       | 0.0086  | 0.03    | 63.227 | 632.267 |
| THCA-A                                       | 0.004   | 0.03    | 12.506 | 125.059 |
| CBGA   | 0.007   | 0.03    | 1.635  | 16.351  |
| CBG  | 0.0028  | 0.03    | 1.094  | 10.94   |
| CBC  | 0.0092  | 0.03    | BLQ    | BLQ     |
| THCV   | 0.0068  | 0.03    | BLQ    | BLQ     |
| D8-THC                                       | 0.0074  | 0.03    | ND     | ND      |
| CBN  | 0.0069  | 0.03    | ND     | ND      |
| CBD  | 0.0081  | 0.03    | ND     | ND      |
| CBDA   | 0.008   | 0.03    | ND     | ND      |
| CBDV   | 0.0073  | 0.03    | ND     | ND      |
| <b>Total of all quantified cannabinoids:</b> |         |         | 78.462 | 784.617 |

| <b>Terpene Analysis</b>      | LOD (%) | LOQ (%) | wt%   |
|------------------------------|---------|---------|-------|
| (R)-(+)-Limonene             | 0.0023  | 0.025   | 2.2   |
| Farnesene*                   | 0.0021  | 0.025   | 1.12  |
| Trans-Caryophyllene          | 0.0016  | 0.025   | 0.86  |
| Linalool                     | 0.0014  | 0.025   | 0.802 |
| Beta-Myrcene                 | 0.0012  | 0.025   | 0.642 |
| Alpha-Pinene                 | 0.0013  | 0.025   | 0.446 |
| Terpineol*                   | 0.0013  | 0.025   | 0.32  |
| (R)-Endo-(+)-Fenchyl Alcohol | 0.0013  | 0.025   | 0.309 |
| Alpha-Humulene               | 0.0017  | 0.025   | 0.251 |
| Guaiol                       | 0.0016  | 0.025   | 0.238 |
| Beta-Pinene                  | 0.0016  | 0.025   | 0.215 |

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

Authorized by:

  
Kintesh Sutaria  
QA Specialist

| <b>Terpene Analysis</b>                  | LOD (%) | LOQ (%) | wt%          |
|--|---------|---------|--------------|
| alpha-Bisabolol                          | 0.0022  | 0.025   | 0.108        |
| Valencene                                | 0.0015  | 0.025   | 0.094        |
| Camphene                                 | 0.0019  | 0.025   | 0.076        |
| trans-Nerolidol                          | 0.0025  | 0.025   | 0.066        |
| Ocimene*                                 | 0.0030  | 0.025   | 0.042        |
| Terpinolene                              | 0.0018  | 0.025   | 0.027        |
| Caryophyllene oxide                      | 0.0023  | 0.025   | BLQ          |
| Citronellol                              | 0.0014  | 0.025   | BLQ          |
| Fenchone*                                | 0.0014  | 0.025   | BLQ          |
| Phytol*                                  | 0.0028  | 0.050   | ND           |
| (+)-Cedrol                               | 0.0023  | 0.025   | ND           |
| cis-Nerolidol                            | 0.0028  | 0.025   | ND           |
| Eugenol                                  | 0.0019  | 0.025   | ND           |
| Alpha-Cedrene                            | 0.0016  | 0.025   | ND           |
| Geranyl acetate                          | 0.0015  | 0.025   | ND           |
| Pulegone                                 | 0.0011  | 0.025   | ND           |
| Geraniol                                 | 0.0020  | 0.025   | ND           |
| Nerol                                    | 0.0023  | 0.025   | ND           |
| Camphor + Borneol*                       | 0.0013  | 0.050   | ND           |
| Isoborneol                               | 0.0013  | 0.025   | ND           |
| Hexahydrothymol                          | 0.0020  | 0.025   | ND           |
| Isopulegol                               | 0.0011  | 0.025   | ND           |
| Sabinene Hydrate                         | 0.0011  | 0.025   | ND           |
| Gamma-Terpinene                          | 0.0014  | 0.025   | ND           |
| Eucalyptol                               | 0.0028  | 0.025   | ND           |
| p-Cymene                                 | 0.0010  | 0.025   | ND           |
| Alpha-Terpinene                          | 0.0021  | 0.025   | ND           |
| Alpha-Phellandrene                       | 0.0018  | 0.025   | ND           |
| (1S)-3-Carene                            | 0.0020  | 0.025   | ND           |
| Sabinene                                 | 0.0017  | 0.025   | ND           |
| <b>Total of all quantified terpenes:</b> |         |         | <b>7.816</b> |

**Foreign Matter Analysis**    None Detected

**Water Activity**                    0.1659aw

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

Authorized by:

*Kintesh Sutaria*  
Kintesh Sutaria  
QA Specialist

| <b>Mycotoxin Analysis</b> | LOD (ppb) | LOQ (ppb) | RL (ppb) | Result (ppb) | Status |
|---------------------------|-----------|-----------|----------|--------------|--------|
| Aflatoxin-B1              | 0.0004    | 2         | 2        | ND           | PASS   |
| Aflatoxin-B2              | 0.0004    | 2         |          | ND           | PASS   |
| Aflatoxin-G1              | 0.0003    | 2         |          | ND           | PASS   |
| Aflatoxin-G2              | 0.0005    | 2         |          | ND           | PASS   |
| <b>Sum of Aflatoxins:</b> |           |           | 4        | 0            | PASS   |
| Ochratoxin-A              | 0.0017    | 20        | 20       | ND           | PASS   |

| <b>Microbial Analysis</b>   | LOD (CFU/g) | RL (CFU/g) | Result (CFU/g) | Status |
|-----------------------------|-------------|------------|----------------|--------|
| Total Aerobic Count         | 12          | 200        | ND             | PASS   |
| Total Yeast and Mold Count  | 1.8         | 20         | ND             | PASS   |
| Bile-Tolerant Gram-Negative |             |            | Absent in 1g   | PASS   |
| S.aureus/P.aeruginosa       |             |            | Absent in 1g   | PASS   |

| <b>Heavy Metals Analysis</b> | LOD (ppm) | LOQ (ppm) | RL (ppm) | Result (ppm) | Status |
|------------------------------|-----------|-----------|----------|--------------|--------|
| Arsenic                      | 0.05      | 0.2       | 0.2      | ND           | PASS   |
| Cadmium                      | 0.01      | 0.05      | 0.3      | ND           | PASS   |
| Lead                         | 0.02      | 0.5       | 0.5      | ND           | PASS   |
| Mercury                      | 0.01      | 0.05      | 0.1      | ND           | PASS   |

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

Authorized by:

*Kintesh Sutaria*  
Kintesh Sutaria  
QA Specialist

| <b>Residual Solvents Analysis</b> | LOD (ppm) | LOQ (ppm) | RL (ppm) | Result (ppm) | Status |
|-----------------------------------|-----------|-----------|----------|--------------|--------|
| 1-Butanol                         | 22.7      | 1000      | 5,000    | ND           | PASS   |
| 1-Pentanol                        | 28.9      | 1000      | 5,000    | ND           | PASS   |
| 1-Propanol                        | 44.6      | 1000      | 5,000    | ND           | PASS   |
| 2-Butanol                         | 20.1      | 1000      | 5,000    | ND           | PASS   |
| 2-Methyl-1-propanol               | 11.6      | 1000      | 5,000    | ND           | PASS   |
| 2-Propanol                        | 13.3      | 1000      | 5,000    | ND           | PASS   |
| 3-Methyl-1-butanol                | 16.8      | 1000      | 5,000    | ND           | PASS   |
| Acetone                           | 19.4      | 1000      | 5,000    | ND           | PASS   |
| Anisole                           | 104       | 1000      | 5,000    | ND           | PASS   |
| Butyl acetate                     | 67.3      | 1000      | 5,000    | ND           | PASS   |
| Dimethyl sulfoxide                | 55.8      | 1000      | 5,000    | ND           | PASS   |
| Ethanol                           | 34.5      | 1000      | 5,000    | ND           | PASS   |
| Ethyl acetate                     | 17.3      | 1000      | 5,000    | ND           | PASS   |
| Ethyl ether                       | 27        | 1000      | 5,000    | ND           | PASS   |
| Ethyl formate                     | 92.5      | 1000      | 5,000    | ND           | PASS   |
| Heptane                           | 19.2      | 1000      | 5,000    | ND           | PASS   |
| Isobutyl acetate                  | 28.4      | 1000      | 5,000    | ND           | PASS   |
| Isopropyl acetate                 | 13.5      | 1000      | 5,000    | ND           | PASS   |
| Methyl acetate                    | 26.9      | 1000      | 5,000    | ND           | PASS   |
| Methylethyl ketone                | 13.1      | 1000      | 5,000    | ND           | PASS   |
| Pentane                           | 35.7      | 1000      | 5,000    | ND           | PASS   |
| Propyl acetate                    | 13.5      | 1000      | 5,000    | ND           | PASS   |
| Tert-Butylmethyl ether            | 134.2     | 1000      | 5,000    | ND           | PASS   |
| Triethylamine                     | 22.4      | 1000      | 5,000    | ND           | PASS   |

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

Authorized by:

*Kintesh Sutaria*  
Kintesh Sutaria  
QA Specialist

| <b>Pesticides Analysis</b> | LOD (ppm) | LOQ (ppm) | RL (ppm) | Result (ppm) | Status |
|----------------------------|-----------|-----------|----------|--------------|--------|
| Abamectin                  | 0.0218    | 0.25      | 0.25     | ND           | PASS   |
| Acephate                   | 0.0022    | 0.05      | 0.05     | ND           | PASS   |
| Acequinocyl                | 0.0047    | 0.05      |          | ND           | PASS   |
| Acetamiprid                | 0.0028    | 0.05      | 0.05     | ND           | PASS   |
| Aldicarb                   | 0.0796    | 0.5       | 0.5      | ND           | PASS   |
| Allethrin                  | 0.0365    | 0.1       | 0.1      | ND           | PASS   |
| Azadirachtin               | 0.0149    | 0.5       | 0.5      | ND           | PASS   |
| Azoxystrobin               | 0.0008    | 0.01      | 0.01     | ND           | PASS   |
| Benzovindiflupyr           | 0.0018    | 0.01      | 0.01     | ND           | PASS   |
| Bifenazate                 | 0.0009    | 0.01      | 0.01     | ND           | PASS   |
| Bifenthrin                 | 0.0369    | 1         |          | ND           | PASS   |
| Boscalid                   | 0.0011    | 0.01      | 0.01     | ND           | PASS   |
| Buprofezin                 | 0.0012    | 0.02      |          | ND           | PASS   |
| Carbaryl                   | 0.0014    | 0.025     | 0.025    | ND           | PASS   |
| Carbofuran                 | 0.001     | 0.01      | 0.01     | ND           | PASS   |
| Chlorantraniliprole        | 0.0017    | 0.02      |          | ND           | PASS   |
| Chlorfenapyr               | 0.7181    | 1.5       | 1.5      | ND           | PASS   |
| Chlorpyrifos               | 0.0724    | 0.5       | 0.5      | ND           | PASS   |
| Clofentezine               | 0.0016    | 0.01      | 0.01     | ND           | PASS   |
| Clothianidin               | 0.002     | 0.025     | 0.025    | ND           | PASS   |
| Coumaphos                  | 0.0021    | 0.01      | 0.01     | ND           | PASS   |
| Cyantraniliprole           | 0.0024    | 0.01      | 0.01     | ND           | PASS   |
| Cyfluthrin                 | 0.1386    | 1         |          | ND           | PASS   |
| Cypermethrin               | 0.1288    | 1         |          | ND           | PASS   |
| Cyprodinil                 | 0.0014    | 0.01      | 0.01     | ND           | PASS   |
| Daminozide                 | 0.0056    | 0.10      |          | ND           | PASS   |
| Deltamethrin               | 0.0547    | 1         |          | ND           | PASS   |
| Diazinon                   | 0.0019    | 0.02      |          | ND           | PASS   |
| Dichlorvos                 | 0.0115    | 0.05      | 0.05     | ND           | PASS   |
| Dimethoate                 | 0.0008    | 0.01      | 0.01     | ND           | PASS   |
| Dimethomorph               | 0.0019    | 0.05      |          | ND           | PASS   |
| Dinotefuran                | 0.0029    | 0.05      | 0.05     | ND           | PASS   |
| Dodemorph                  | 0.0029    | 0.05      |          | ND           | PASS   |
| Endosulfan-alpha           | 0.747     | 2.5       | 2.5      | ND           | PASS   |
| Endosulfan-beta            | 0.5482    | 2.5       | 2.5      | ND           | PASS   |
| Endosulfan sulfate         | 0.2185    | 2.5       | 2.5      | ND           | PASS   |
| Ethoprophos                | 0.0011    | 0.01      | 0.01     | ND           | PASS   |
| Etofenprox                 | 0.0021    | 0.05      |          | ND           | PASS   |
| Etoxazole                  | 0.0011    | 0.02      |          | ND           | PASS   |
| Etridiazol                 | 0.0215    | 0.15      | 0.15     | ND           | PASS   |
| Fenoxycarb                 | 0.0012    | 0.01      | 0.01     | ND           | PASS   |
| Fenpyroximate              | 0.0019    | 0.02      |          | ND           | PASS   |
| Fensulfothion              | 0.0009    | 0.01      | 0.01     | ND           | PASS   |

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

Authorized by:

*Kintesh Sutaria*  
Kintesh Sutaria  
QA Specialist

| <b>Pesticides Analysis</b> | LOD (ppm) | LOQ (ppm) | RL (ppm) | Result (ppm) | Status |
|----------------------------|-----------|-----------|----------|--------------|--------|
| Fenthion                   | 0.0021    | 0.01      | 0.01     | ND           | PASS   |
| Fenvalerate                | 0.0144    | 0.1       |          | ND           | PASS   |
| Fipronil                   | 0.0015    | 0.01      | 0.01     | ND           | PASS   |
| Flonicamid                 | 0.0046    | 0.025     | 0.025    | ND           | PASS   |
| Fludioxonil                | 0.0015    | 0.01      | 0.01     | ND           | PASS   |
| Fluopyram                  | 0.0006    | 0.01      | 0.01     | ND           | PASS   |
| Hexythiazox                | 0.0012    | 0.01      |          | ND           | PASS   |
| Imazalil                   | 0.0025    | 0.01      | 0.01     | ND           | PASS   |
| Imidacloprid               | 0.001     | 0.01      | 0.01     | ND           | PASS   |
| Iprodione                  | 0.0607    | 0.5       | 0.5      | ND           | PASS   |
| Kinoprene                  | 0.1272    | 1.25      | 1.25     | ND           | PASS   |
| Kresoxim-methyl            | 0.0111    | 0.15      | 0.15     | ND           | PASS   |
| Malathion                  | 0.0009    | 0.01      | 0.01     | ND           | PASS   |
| Metalaxyl                  | 0.0006    | 0.01      | 0.01     | ND           | PASS   |
| Methiocarb                 | 0.001     | 0.01      | 0.01     | ND           | PASS   |
| Methomyl                   | 0.0012    | 0.025     | 0.025    | ND           | PASS   |
| Methoprene                 | 0.1356    | 2         |          | ND           | PASS   |
| Mevinphos                  | 0.0016    | 0.025     | 0.025    | ND           | PASS   |
| MGK-264                    | 0.0039    | 0.05      |          | ND           | PASS   |
| Myclobutanil               | 0.0016    | 0.01      | 0.01     | ND           | PASS   |
| Naled                      | 0.0163    | 0.20      |          | ND           | PASS   |
| Novaluron                  | 0.0042    | 0.025     | 0.025    | ND           | PASS   |
| Oxamyl                     | 0.0456    | 1.5       | 1.5      | ND           | PASS   |
| Paclobutrazol              | 0.0014    | 0.01      | 0.01     | ND           | PASS   |
| Parathion-methyl           | 0.005     | 0.05      |          | ND           | PASS   |
| Permethrin                 | 0.0192    | 0.5       |          | ND           | PASS   |
| Phenothrin                 | 0.0057    | 0.05      |          | ND           | PASS   |
| Phosmet                    | 0.002     | 0.02      |          | ND           | PASS   |
| Piperonyl butoxide         | 0.2722    | 1.25      | 1.25     | ND           | PASS   |
| Pirimicarb                 | 0.0005    | 0.01      | 0.01     | ND           | PASS   |
| Prallethrin                | 0.0087    | 0.05      |          | ND           | PASS   |
| Propiconazole              | 0.0073    | 0.10      |          | ND           | PASS   |
| Propoxur                   | 0.0019    | 0.01      | 0.01     | ND           | PASS   |
| Pyraclostrobin             | 0.0006    | 0.01      | 0.01     | ND           | PASS   |
| Pyrethrins                 | 0.0049    | 0.05      |          | ND           | PASS   |
| Pyridaben                  | 0.0012    | 0.02      | 0.02     | ND           | PASS   |
| Quintozene                 | 0.0065    | 0.02      |          | ND           | PASS   |
| Resmethrin                 | 0.0028    | 0.05      | 0.05     | ND           | PASS   |
| Spinetoram                 | 0.0014    | 0.01      | 0.01     | ND           | PASS   |
| Spinosad                   | 0.0013    | 0.01      | 0.01     | ND           | PASS   |
| Spirodiclofen              | 0.0128    | 0.25      |          | ND           | PASS   |
| Spiromesifen               | 0.5285    | 3         |          | ND           | PASS   |
| Spirotetramat              | 0.0012    | 0.01      | 0.01     | ND           | PASS   |

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, \* = Mixture of Isomers

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*Kintesh Sutaria*  
Kintesh Sutaria  
QA Specialist

| <b>Pesticides Analysis</b> | LOD (ppm) | LOQ (ppm) | RL (ppm) | Result (ppm) | Status |
|----------------------------|-----------|-----------|----------|--------------|--------|
| Spiroxamine                | 0.0018    | 0.10      |          | ND           | PASS   |
| Tebuconazole               | 0.0022    | 0.01      | 0.01     | ND           | PASS   |
| Tebufenozide               | 0.0007    | 0.01      | 0.01     | ND           | PASS   |
| Teflubenzuron              | 0.0049    | 0.025     | 0.025    | ND           | PASS   |
| Tetrachlorvinphos          | 0.0011    | 0.01      | 0.01     | ND           | PASS   |
| Tetramethrin               | 0.0057    | 0.1       |          | ND           | PASS   |
| Thiacloprid                | 0.0009    | 0.01      | 0.01     | ND           | PASS   |
| Thiamethoxam               | 0.0011    | 0.01      | 0.01     | ND           | PASS   |
| Thiophanate-methyl         | 0.0031    | 0.05      |          | ND           | PASS   |
| Trifloxystrobin            | 0.0006    | 0.01      | 0.01     | ND           | PASS   |

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Authorized by:

*Kintesh Sutaria*  
**Kintesh Sutaria**  
 QA Specialist

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## Details of Testing

### **Cannabinoid Analysis**

LAB-MTD-020: Determination of 11 Cannabinoids in Cannabis Flower (LOQ 0.06%), Fresh Flower (LOQ 0.015%), Oil (LOQ 0.03%) and Concentrates (LOQ 0.6%) by HPLC and UHPLC

LAB-MTD-021: Determination of Cannabinoids of Individually Isolated Sample by HPLC/UHPLC

LAB-MTD-023: Determination of 11 Cannabinoids in Cannabis Tablets and Granules (LOQ 0.025%) by HPLC/UHPLC

LAB-MTD-030: Determination of 11 Cannabinoids in Cannabis Topicals (LOQ 0.005%) by HPLC/UHPLC

LAB-MTD-039: Determination of 5 Cannabinoids in Cannabis Edibles; Liquid Edibles (LOQ 0.0002%) and Solid Edibles (LOQ 0.005%) by UHPLC

### **Terpene Analysis**

LAB-MTD-035: Determination of Terpenes in Cannabis Flower and Oil by GC-MS

### **Pesticide Analysis**

LAB-MTD-010: Determination of Pesticide and Mycotoxins in Cannabis by LC-MS/MS and GC-MS/MS

LAB-MTD-040: Determination of EP Pesticide Residues in Cannabis Oil and Related Products by GC-MS/MS

LAB-MTD-041: Determination of EP Pesticide Residues in Cannabis Flower and Related Products by GC-MS/MS

LAB-MTD-046: Determination of Health Canada Pesticide Residues and Toxins in Cannabis Oil and Related Products by LC-MS/MS

### **Mycotoxin Analysis**

LAB-MTD-010: Determination of Pesticide and Mycotoxins in Cannabis by LC-MS/MS and GC-MS/MS

LAB-MTD-029: Determination of Toxins in Tablet Samples by LC-MS/MS

LAB-MTD-037: Determination of Mycotoxins in Topical/Cream Samples by LC-MS/MS

### **Heavy Metal Analysis**

LAB-MTD-027: Determination of Heavy Metals in Cannabis Samples by ICP-MS

### **Residual Solvents Analysis**

LAB-MTD-036: Determination of Residual Solvents in Cannabis Oil by GC-MS

LAB-MTD-028: Determination of Residual Solvents in Tablet Samples by GC-MS

LAB-MTD-034: Determination of Propane and Butane in Cannabis Oil by GC-MS

LAB-MTD-038: Determination of Toluene in Cannabis Isolate by GC-MS

Information is accurate unless otherwise stated. The results of this report are reflective only to material and product analyzed as received. This report shall not be reproduced, without written approval from High North Laboratories. Test Results are confidential unless explicitly waived otherwise.

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Kintesh Sutaria  
QA Specialist

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## Details of Testing

### **Microbial Analysis**

MIC-MTD-001: Microbial Analysis of Cannabis Flower and Oil by qPCR

MIC-MTD-006: Determination of Viruses in Cannabis via qPCR and ELISA

MIC-MTD-007: Microbial Analysis of Cannabis by Culture Techniques

### **Moisture Analysis**

LAB-MTD-017: Determination of Moisture Content in Cannabis Flower

LAB-MTD-031: Water Activity Meter Setup and Operation

### **Sample Appearance and Foreign Matter**

LAB-MTD-022: Sample Appearance and Detection of Foreign Matter Content in Cannabis Samples

### **Total Ash Analysis**

LAB-MTD-043: Total Ash by Muffle Furnace in Cannabis Products

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Authorized by:

*Kintesh Sutaria*  
Kintesh Sutaria  
QA Specialist