

Perennia Food and Agriculture Certificate of Analysis

173 Dr Bernie MacDonald Drive, Bible Hill, Nova Scotia B6L 2H5 | License: LIC-SSO85RTR5Z-2018-1
 Cannabis Analytical Services



Sample **R00009-BA S4**

| | | | |
|-------------------|---|--------|------------------------|
| Sample ID | RC-0012-221021 (6033) | Matrix | Extract (Cannabis Oil) |
| Tested for | Retro Cannabis and Hemp Extracts (nick@retroextracts.com) | | |
| Sampled - | Sampled by | Client | Received |
| Analyses executed | CAN, RES | | Reported |
| | | | Oct 22, 2021 |
| | | | Oct 26, 2021 |

CAN - Cannabinoid Profile Analysis



Analyzed Oct 25, 2021 | Instrument HPLC | Method UNODC (modified)

| Analyte | LOD % | Result % | Result mg/g |
|---------------------------------------|-------|--------------|---------------|
| Cannabidiolic Acid (CBDA) | 0.01 | ND | ND |
| Cannabigerolic Acid (CBGA) | | 0.30 | 3.00 |
| Cannabigerol (CBG) | 0.02 | 1.15 | 11.50 |
| Cannabidiol (CBD) | 0.01 | 0.14 | 1.40 |
| Tetrahydrocannabivarin (THCV) | 0.01 | 0.32 | 3.20 |
| Cannabinol (CBN) | 0.01 | 0.75 | 7.50 |
| Δ-9-tetrahydrocannabinol (Δ9-THC) | 0.02 | 73.71 | 737.10 |
| Δ8-tetrahydrocannabinol (Δ8-THC) | 0.02 | ND | ND |
| Cannabichromene (CBC) | 0.01 | 1.09 | 10.90 |
| Tetrahydrocannabinolic Acid (THCA) | 0.01 | 1.82 | 18.20 |
| Total THC (THCa * 0.877 + THC) | | 75.31 | 753.06 |
| Total CBD (CBDA * 0.877 + CBD) | | 0.14 | 1.40 |

LOD Limit of Detection
 LOQ Limit of Quantification
 NT Not Reported
 ND Not Detected
 BDL Below Detection Limit
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

 Nichole Taylor, MSc, Lab Director
 Tue, 26 Oct 2021 11:29:43 AM ADT


Adele Joyce, QA Coordinator

Perennia Food and Agriculture | 173 Dr Bernie MacDonald Drive, Bible Hill, Nova Scotia B6L 2H5 | 902.890.4052 | Cannabis Analytical Services



*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise.

RES - Residual Solvents Testing Analysis

Analyzed Oct 26, 2021 | Instrument HS/GC/MS | Method USP<467> Modified

| Analyte | LOD ug/g | Result ug/g | Limit ug/g | Analyte | LOD ug/g | Result ug/g | Limit ug/g |
|------------------------------|----------|-------------|------------|---------------------------------|----------|-------------|------------|
| Acetic Acid (AceAc) | 2500.0 | 2502 | 5000 | Acetone (Aceto) | 1000.0 | BDL | 5000 |
| Anisole (Aniso) | 1000.0 | BDL | 5000 | 1-Butanol (Butan) | 1000.0 | BDL | 5000 |
| 2-Butanol (Butan) | 1000.0 | BDL | 5000 | Butyl Acetate () | 1000.0 | BDL | 5000 |
| Butane (But) | 1000.0 | BDL | 5000 | Tert-Butylmethyl Ether (Ter-Bu) | 100.0 | BDL | 5000 |
| Dimethyl Sulfoxide (DimSu) | 1000.0 | BDL | 5000 | Ethanol (Ethan) | 1000.0 | 2040 | 5000 |
| Ethyl Acetate (EthAc) | 1000.0 | BDL | 5000 | Ethyl Ether (EthEt) | 1000.0 | BDL | 5000 |
| Ethyl Formate (EthFo) | 1000.0 | BDL | 5000 | Formic Acid (ForAc) | 1000.0 | BDL | 5000 |
| Heptane (Hepta) | 1000.0 | BDL | 5000 | Isobutyl Acetate (IsoAc) | 100.0 | BDL | 5000 |
| Isopropyl Acetate (IsoAc) | 100.0 | BDL | 5000 | Methyl Acetate (MetAc) | 100.0 | BDL | 5000 |
| 3-Methyl-1-Butanol (3-Buta) | 1000.0 | BDL | 5000 | Methylethyl ketone (MetKe) | 1000.0 | BDL | 5000 |
| 2-Methyl-1-Propanol (2-Prop) | 100.0 | BDL | 5000 | Pentane (Penta) | 1000.0 | BDL | 5000 |
| 1-Pentanol (Penta) | 1000.0 | BDL | 5000 | 1-Propanol (Propa) | 1000.0 | BDL | 5000 |
| 2-Propanol (Propa) | 1000.0 | BDL | 5000 | Propane (Prop) | 1000.0 | BDL | 5000 |
| Propyl Acetate (ProAc) | 500.0 | BDL | 5000 | Triethylamine (Triet) | 1000.0 | BDL | 5000 |

LOD Limit of Detection
 LOQ Limit of Quantification
 NT Not Reported
 ND Not Detected
 BDL Below Detection Limit
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature
S. Nichole Taylor
 Nichole Taylor, MSc, Lab Director
 Tue, 26 Oct 2021 11:29:43 AM ADT
Adele Joyce

Adele Joyce, QA Coordinator

Perennia Food and Agriculture | 173 Dr Bernie MacDonald Drive, Bible Hill, Nova Scotia B6L 2H5 | 902.890.4052 | Cannabis Analytical Services



*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise.