NORTHEAST LABORATORIES INC.

# CERTIFICATE OF ANALYSIS



Theraplant LLC
856 Echo Lake Rd
Watertown, CT 06795

Date Received: 5/2/2025
Report Date: 5/8/2025
NELabs Report ID: 2597141-08

**Grand Pappy's Chillemon 4972**

Biotrack ID: Grand Pappy's Chillemon 4972 1084 4492 8833 6145

| Microbiology | Results | Limits | Methods |
|---|---|---|---|
| Total Aerobic Microbial Count (cfu/g) | <100 | 100,000 | AOAC 990.12 |
| Total Yeast & Mold Count (cfu/g) | <100 | 100,000 | AOAC 2014.05 |
| *Aspergillus* (flavus, fumigatus, terreus, niger) | Not Detected | Not Detected | qPCR |
| Enteropathogenic *E. coli* | Not Detected | Not Detected | AOAC 2017.01 |
| *Listeria Monocytogenes* | Not Detected | Not Detected | AOAC 2016.08 |
| *Salmonella* species | Not Detected | Not Detected | AOAC 2016.01 |
| Shiga Toxin Producing *E. coli* | Not Detected | Not Detected | AOAC PTM#071903 |
| Pass/Fail | Pass | | |

By HPLC

| Cannabinoids | Results (% w/w)* | Dosing (mg/package) |
|---|---|---|
| CBDV | | |
| CBDA | <LOQ | <LOQ |
| CBGA | 0.33 | 10.0 |
| CBG | <LOQ | <LOQ |
| CBD | | |
| THCV | | |
| CBN | | |
| $\Delta^9$ THC | 0.43 | 13.0 |
| $\Delta^8$ THC | | |
| CBL | | |
| THCA | 26.51 | 800.7 |
| CBC | | |
| Total Cannabinoids | **27.27** | **823.7** |
| Total THC % $_{(0.877*THCA)+THC}$ | **23.68** | |

By GC - MS

| Terpenes | Results (% w/w)* |
|---|---|
| α-Pinene | |
| Camphene | |
| β-Myrcene | 0.25 |
| β-Pinene | |
| δ-3-Carene | |
| Limonene | 0.21 |
| p-Cymene | |
| α-Terpinolene | |
| Linalool | 0.35 |
| Caryophyllene | 0.74 |
| α-Humulene | 0.28 |
| α-Bisabolol | |
| Terpinene (total) | |
| Ocimene (total) | |
| Nerolidol (total) | 0.12 |
| Total Terpenes | **1.95** |

* % by dry weight

| Moisture | Results |
|---|---|
| Water Content (% w/w) | 13.7 |
| Water Activity (Aw) | 0.56 |



ISO/IEC 17025:2017 Accredited
PJLA

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| Pesticides | Results | Limits | Methods |
|---|---|---|---|
| Per Sample ≥ 0.5 g | Below Action Limits | Below Action Limits | LC & GC - MS/MS |
| Pass/Fail | Pass | | |

| Mycotoxins | Results (µg/kg) | Limits (µg/kg) | Methods |
|---|---|---|---|
| Aflatoxins (B1, B2, G1, G2) | Below Action Limits | < 20 each | LC - MS/MS |
| Ochratoxin-A | Below Action Limits | < 20 | |
| Pass/Fail | Pass | | |

| Heavy Metals | Results | Limits | Methods |
|---|---|---|---|
| As, Cd, Pb, Hg, Cr | Below Action Limits | Below Action Limits | ICP - MS |
| Pass/Fail | Pass | | |

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 5/2/2025

| DATE | Reviewed by | Released by |
|---|---|---|
| 5/8/2025 | Garrett Johnson, QA/QC | Zachary Cannone, Laboratory Director |

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025: 2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISOILAC-IAF Communiqué dated April 2017).
Not all results and/or analytes reported are obtained for ISO accredited testing methods.
Please refer to our ISO certificate for a full list of testing under our scope of accreditation.