261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

# Certificate of Analysis

**Client Name:** PermaGanix
**License Number:** CLTV0354 MANU0114

**Sample ID:** 20260915-36518
**Sample Name:** ChemHead78
**Sample Lot:** cltv0354-HL33-Chemhead78
**Sample Matrix:** Flower
**Date Received:** 9/15/2026
**Date Reported:** 9/22/2026
**Date Tested:** 9/17/2026



## Total Cannabinoids

| | % | mg/g |
|---|---|---|
| **Total THC:** | **23.755** | **237.553** |
| **Total CBD:** | **--** | **--** |
| **Total Cannabinoids:** | **27.988** | **279.883** |

**Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)**
**Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)**

## Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-102-OA) | Test ID: #120495

| Analyte | % (Dry) | mg/g (Dry) | % | mg/g | LOD (mg/g) | LOQ (mg/g) |
|---|---|---|---|---|---|---|
| CBC | ND | ND | ND | ND | 0.0003 | 0.0040 |
| CBCA | < LOQ | < LOQ | < LOQ | < LOQ | 0.0002 | 0.0040 |
| CBD | ND | ND | ND | ND | 0.0008 | 0.0040 |
| CBDA | ND | ND | ND | ND | 0.0002 | 0.0040 |
| CBDV | ND | ND | ND | ND | 0.0008 | 0.0040 |
| CBDVA | ND | ND | ND | ND | 0.0001 | 0.0040 |
| CBG | < LOQ | < LOQ | < LOQ | < LOQ | 0.0009 | 0.0040 |
| CBGA | 1.109 | 11.092 | 0.983 | 9.831 | 0.0001 | 0.0040 |
| CBN | ND | ND | ND | ND | 0.0004 | 0.0040 |
| CBNA | ND | ND | ND | ND | 0.0002 | 0.0040 |
| D8 THC | ND | ND | ND | ND | 0.0012 | 0.0040 |
| D9 THC | 1.482 | 14.825 | 1.314 | 13.140 | 0.0016 | 0.0049 |
| D10 THC | ND | ND | ND | ND | 0.0004 | 0.0040 |
| THCA | 25.397 | 253.966 | 22.509 | 225.090 | 0.0002 | 0.0040 |
| THCV | ND | ND | ND | ND | 0.0016 | 0.0049 |
| THCVA | < LOQ | < LOQ | < LOQ | < LOQ | 0.0002 | 0.0040 |

* Measurements of uncertainty available on request

## Moisture & Water Activity — PASS

Water Activity and Moisture Content Analysis (SOP-120-OA) | Test ID: #120496

| Analyte | Result (%) | Limit | Pass/Fail |
|---|---|---|---|
| Moisture | 11.37 | 13.00 | |
| Water Activity | 0.51 | 0.65 | PASS |

Callie Chapman
Lab Director
9/22/2026

| Rev. 1 | Initial Release |
|---|---|

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# Certificate of Analysis

**Client Name:** PermaGanix
**License Number:** CLTV0354 MANU0114

**Sample ID:** 20260915-36553
**Sample Name:** ChemHead 78
**Sample Lot:** cltv0354-HI33-CH78
**Sample Matrix:** Flower
**Date Received:** 9/15/2026
**Date Reported:** 9/23/2026
**Date Tested:** 9/21/2026



## Pathogens — PASS

Microbiological screening utilizing qPCR (SOP-130-OA) | Test ID: #120608

| Analyte | Result | Pass/Fail |
|---|---|---|
| A. Fumigatus | None Detected | PASS |
| A. Niger | None Detected | PASS |
| A. Flavus | None Detected | PASS |
| A. Terreus | None Detected | PASS |
| STEC | None Detected | PASS |
| Salmonella | None Detected | PASS |

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Lab Director
9/23/2026

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# Certificate of Analysis

**Client Name:** PermaGanix
**License Number:** CLTV0354 MANU0114

**Sample ID:** 20260915-36555
**Sample Name:** HL33: GMO, HH, GS, CH78 & DOSI
**Sample Lot:** cltv0354-HI33
**Sample Matrix:** Flower
**Date Received:** 9/15/2026
**Date Reported:** 9/22/2026
**Date Tested:** 9/21/2026



## Pesticides — Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-009-OA) **- Limit units: ppm** | Test ID: #120614

| Analyte | Pass/Fail | Result (ppm) | Limit | LOD (ppm) | LOQ (ppm) |
|---|---|---|---|---|---|
| Abamectin B1a | Pass | ND | 0.10000 | 0.00687 | 0.02081 |
| Abamectin B1b | Pass | ND | 0.10000 | 0.00133 | 0.00405 |
| Acephate | Pass | ND | 0.10000 | 0.02214 | 0.06710 |
| Acequinocyl | Pass | ND | 0.10000 | 0.02276 | 0.06897 |
| Azoxystrobin | Pass | ND | 0.10000 | 0.01262 | 0.03825 |
| Bifenazate | Pass | ND | 0.10000 | 0.01232 | 0.03734 |
| Bifenthrin | Pass | ND | 3.00000 | 0.04612 | 0.13976 |
| Carbaryl | Pass | ND | 0.50000 | 0.01039 | 0.03149 |
| Chlorpyrifos | Pass | ND | 0.04000 | 0.00702 | 0.02128 |
| Cypermethrin | Pass | ND | 1.00000 | 0.02839 | 0.08604 |
| Etoxazole | Pass | ND | 0.10000 | 0.00915 | 0.02772 |
| Imazalil | Pass | ND | 0.04000 | 0.00664 | 0.02012 |
| Imidacloprid | Pass | ND | 5.00000 | 0.02001 | 0.06063 |
| Myclobutanil | Pass | ND | 0.10000 | 0.01691 | 0.05123 |
| Spinosyn A | Pass | ND | 0.10000 | 0.00632 | 0.01916 |
| Spinosyn D | Pass | ND | 0.10000 | 0.00256 | 0.00775 |
| Pyrethrins | Pass | ND | 0.50000 | 0.00864<br>0.01428 * | 0.02618<br>0.04327 * |

* Pyrethrins action limit represents sum of isomers I & II

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