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# CERTIFICATE OF ANALYSIS

Prepared for:

## Grape Gremlin

| Batch ID or Lot Number: | Test, Test ID and Methods: | Matrix: | Page 1 of 1 |
|---|---|---|---|
| **00204** | Various | Plant | |
| **Reported:** | **Started:** | **Received:** | |
| **04Jun2025** | 21May2025 | 21May2025 | |

## Cannabinoids

Test ID: T000305373
Methods: TM14 (HPLC-DAD) \ TM21 (Karl Fischer)

| | **LOD** (%) | **LOQ** (%) | **Dry Weight Result** (%) | **MU Range** (%) |
|---|---|---|---|---|
| Cannabichromene (CBC) | 0.020 | 0.068 | ND | ND |
| Cannabichromenic Acid (CBCA) | 0.018 | 0.062 | 0.323 | 0.298 - 0.348 |
| Cannabidiol (CBD) | 0.068 | 0.184 | ND | ND |
| Cannabidiolic Acid (CBDA) | 0.070 | 0.189 | ND | ND |
| Cannabidivarin (CBDV) | 0.016 | 0.044 | ND | ND |
| Cannabidivarinic Acid (CBDVA) | 0.029 | 0.079 | ND | ND |
| Cannabigerol (CBG) | 0.011 | 0.039 | 0.093 | 0.086 - 0.100 |
| Cannabigerolic Acid (CBGA) | 0.046 | 0.162 | 0.613 | 0.566 - 0.660 |
| Cannabinol (CBN) | 0.014 | 0.051 | ND | ND |
| Cannabinolic Acid (CBNA) | 0.032 | 0.111 | ND | ND |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.055 | 0.193 | ND | ND |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.050 | 0.175 | ND | ND |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.044 | 0.155 | 28.748 | 26.526 - 30.970 |
| Tetrahydrocannabivarin (THCV) | 0.010 | 0.035 | ND | ND |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.039 | 0.137 | ND | ND |
| **Total Cannabinoids** | | | **29.777** | **27.440 - 32.114** |
| Total Potential THC | | | 25.212 | 23.251 - 27.173 |

**Notes**

Dried Sample Moisture Content = 76.53%
Measurement Uncertainty = 7.73%
Results generated using a non-validated, non-compliant method. For informational purposes only.
Amendment to, T000305373, issued on 29May2025, to correct sample name.

### Final Approval

Judith Marquez
04Jun2025
03:16:00 PM MDT

PREPARED BY / DATE

Sam Smith
04Jun2025
03:27:00 PM MDT

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/d55a0e4d-56b0-4136-b97c-14f2dd6c015d

**Definitions**
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or – the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.



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