

Report: COA Evaluation Summary

OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

*For OLCC/OHA Compliance Purposes. Final Approval Pending.
Preliminary Report.*

Product Description

Client:

Product Name: **CBG Isolate B#GVL-TST126 Prim**

Process Lot: Production Date: 01/07/22

Process Date: Retest Date: 01/07/24

Matrix: Hemp Concentrate

Metrc Source ID: n/a

Metrc Package ID: n/a

License Number: n/a

Date Collected: 2022-01-07

Date Received: 2022-01-07

Report Date: n/a

Report ID: A5596-03

Tests Requested: Cannabinoid Potency Analysis

Evaluation Summary

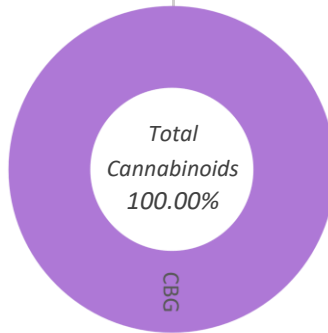
Moisture Analysis | Test Not Required

Cannabinoid Potency Analysis

Total THC * **Total CBD ***

< LOQ < LOQ

< LOQ < LOQ



| Abrv. | Dry Wt. % | Dry Wt. mg/g |
|---------|--------------|--------------|
| THCA | < LOQ | < LOQ |
| Δ-9-THC | < LOQ | < LOQ |
| Δ-8-THC | < LOQ | < LOQ |
| THCV | < LOQ | < LOQ |
| CBDA | < LOQ | < LOQ |
| CBD | < LOQ | < LOQ |
| CBGA | < LOQ | < LOQ |
| CBG | 100.00 % (A) | 1000.0 mg/g |
| CBDVA | < LOQ | < LOQ |
| CBDV | < LOQ | < LOQ |
| CBN | < LOQ | < LOQ |
| CBL | < LOQ | < LOQ |
| CBC | < LOQ | < LOQ |

* moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100

Report: Case Narrative

This certificate of analysis is prepared for...

This report presents the analytical findings for the sample collected on 2022-01-07 by Skyler Smith using sampling plan A5596 and received by PREE Laboratory on 2022-01-07. The sample was assigned a laboratory ID of A5596-03. The results in this report only apply to sample A5596-03.

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The testing methods used are of sufficient sensitivity to meet the compliance criteria set in OAR 333-007. However, it is the responsibility of the client to utilize the data to comply with standards set in OAR 333-007.

All analyses were performed in accordance with PREE Laboratory's NELAP/TNI approved quality control system and all quality control data was within the laboratory's predefined acceptance criteria unless otherwise noted in the case narrative of this report. General comments are also recorded below.

Notes:

The Oregon Department of Agriculture requires hemp products to not contain more than 0.35% total THC, per OAR 603-048. The tested value of CBG was found to be 102.88 %. This is within the method uncertainty and, as a result, the reported concentration was adjusted to 100.00%.

No special conditions were noted during the processing and testing of the sample.



Sardar, Tamzid M. | Laboratory Director
Corvallis, Oregon



If you have any questions regarding the information in this report, please feel free to call 541-257-5002 or email PREE at services@preelab.com.

Report: Evaluation Detail



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| Moisture Analysis | Evaluation Detail | | | | | |
|---|------------------------------|------------------------------|---------|--------------|----------------|--------|
| | Moisture Analysis | Test Not Requested/Required | | | | |
| Cannabinoid Potency Analysis | Evaluation Detail | | | | | |
| Product Name: CBG Isolate B#GVL-TST126 Prim | Cannabinoid Potency Analysis | Compound | Abrv. | Dry Wt. (%) | Dry Wt. (mg/g) | RL (%) |
| Analysis Date: 2022-01-08 | Total THC * | Tetrahydro-cannabinolic acid | THCA | < LOQ | < LOQ | 0.5 % |
| Testing Batch ID: POM220108B | < LOQ | Delta9 Tetrahydro-cannabinol | Δ-9-THC | < LOQ | < LOQ | 0.5 % |
| Testing Method: <i>LSOP #303 Cannabinoid Quantification</i> | < LOQ | Delta8 Tetrahydro-cannabinol | Δ-8-THC | < LOQ | < LOQ | 0.5 % |
| | | Tetrahydrocannabivarin | THCV | < LOQ | < LOQ | 0.5 % |
| | Total CBD * | Cannabidiolic acid | CBDA | < LOQ | < LOQ | 0.5 % |
| | < LOQ | Cannabidiol | CBD | < LOQ | < LOQ | 0.5 % |
| | < LOQ | Cannabigerolic acid | CBGA | < LOQ | < LOQ | 0.5 % |
| | | Cannabigerol | CBG | 100.00 % (A) | 1000.0 | 0.5 % |
| | | Cannabidivarinic acid | CBDVA | < LOQ | < LOQ | 0.5 % |
| | | Cannabidivarin | CBDV | < LOQ | < LOQ | 0.5 % |
| | | Cannabinol | CBN | < LOQ | < LOQ | 0.5 % |
| | | Cannabicyclol | CBL | < LOQ | < LOQ | 0.5 % |
| | | Cannabichromene | CBC | < LOQ | < LOQ | 0.5 % |

Note: Accreditation for Δ-8-THC, THCV, CBGA, CBG, CBDVA, CBDV, CBL, CBC, CBN is not offered by ORELAP and therefore are not accredited tests.

* moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100

Report: Quality Check



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| Moisture Analysis | Quality Control Detail | | | | | | |
|------------------------------|------------------------------|---|----|-----|--------------------|------------------|---------------|
| | Moisture Analysis | | | | | | |
| | Test Not Requested/Required | | | | | | |
| Cannabinoid Potency Analysis | Quality Control Detail | | | | | | |
| Analysis Date: 2022-01-08 | Cannabinoid Potency Analysis | | MB | LCS | Expected Value (%) | Tested Value (%) | Pass Criteria |
| Testing Batch ID: POM220108B | Tetrahydro-cannabinolic acid | ○ | | | < 0.1% | < 0.1% | < 0.1% |
| | Delta9 Tetrahydro-cannabinol | ○ | | | < 0.1% | < 0.1% | < 0.1% |
| | Cannabidiolic acid | ○ | | | < 0.1% | < 0.1% | < 0.1% |
| | Cannabidiol | ○ | | | < 0.1% | < 0.1% | < 0.1% |
| | Tetrahydro-cannabinolic acid | | ● | | 100.0% | 115.6% | ± 20% |
| | Delta9 Tetrahydro-cannabinol | | ● | | 100.0% | 107.2% | ± 20% |
| | Cannabidiolic acid | | ● | | 100.0% | 112.1% | ± 20% |
| | Cannabidiol | | ● | | 100.0% | 116.3% | ± 20% |

Note: Accreditation for Δ-8-THC, THCV, CBGA, CBG, CBDVA, CBDV, CBL, CBC, CBN is not offered by ORELAP and therefore are not accredited tests.

Definitions

- Limit of Quantitation (LOQ) : The minimum level, concentration, or quantity of a target analyte that can be reported with a specific degree of confidence.
- Method Blank (MB) : A quality control sample that is free of the analyte being measured.
- Laboratory Control Sample (LCS) : A quality control sample with a known amount of the analyte used to demonstrate accuracy.
- Field Duplicate : A second sample collected in the field using the same sampling method as the primary sample.
- Action Limit : Analyte levels set by the state of Oregon (OAR 333-007) indicating that follow-up action is necessary.
- ppm : parts per million, equivalent to 1 µg/g and 1 µg/L or 0.001 mg/g and 0.001 mg/L
- COA : Certificate of Analysis.
- Report Flag (A) : Compound tested over 100% or 1000 mg/g. The test result is within the method uncertainty and instrument result is not above the upper limit of quantitation. Value will be adjusted down to 100% or 1000 mg/mg in the reporting process.
- Report Flag (B) : Blank contamination - The analyte was detected above one-half the reporting limit in an associated blank.
- Report Flag (E) : Compound tested above the upper limit of quantitation.
- Report Flag (Q) : One or more quality control criteria (for example, LCS recovery, surrogate spike recovery) failed.

Calculations

- Cannabinoid Potency :
$$\text{Wet WT\%} = (\text{Exported concentration ppm}) \times (\text{Dilution}) \times (\text{Extraction Vol./Wet wt mg}) \times 100$$
$$\text{Total THC\%} = (\% \text{THCA}) \times 0.877 + (\% \text{THC})$$
$$\text{Total CBD\%} = (\% \text{CBDA}) \times 0.877 + (\% \text{CBD})$$
$$\text{Total THC (Dry WT)\%} = \% \text{ total THC(wet)} / [1 - (\% \text{moisture}/100)]$$
$$\text{Total CBD (Dry WT)\%} = \% \text{ total CBD(wet)} / [1 - (\% \text{moisture}/100)]$$
- Percentage Recovery :
$$\% \text{ Rec.} = [(\text{Amount measured}) / (\text{Known amount})] \times 100$$

Disclaimers

- Disposal : All marijuana and hemp products received by PREE will be disposed of following the OLCC's rules for Marijuana Waste Management, regardless of product type, unless PREE is given specific disposal instructions for a product based on test results from state regulatory agencies.