
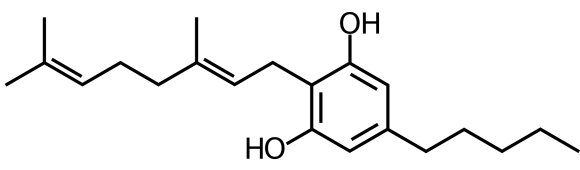


## Product Data Sheet - CBG Isolate - Cannabigerol

<b>Product Name</b>	CBG Isolate - Cannabigerol
<b>Product Number</b>	17361
<b>Product URL</b>	<a href="https://rhizosciences.com/product/cbg-isolate-1kg/">https://rhizosciences.com/product/cbg-isolate-1kg/</a>
<b>Product Label</b>	Chemical Structure Cannabigerol (CBG)  
<b>Chemical Formula</b>	C <sub>21</sub> H <sub>32</sub> O <sub>2</sub>
<b>Molecular Weight</b>	316.48
<b>CAS Number</b>	25654-31-3
<b>Appearance (Color)</b>	White to Light Yellow or light pink
<b>Appearance (Form)</b>	Fine crystalline powder
<b>Solubility (Color) - 10mg/ml MeOH</b>	Colorless to Light Yellow
<b>Solubility (Turbidity) - 10mg/ml MeOH</b>	Clear
<b>Storage Temperature</b>	2-8 °C
<b>Origin</b>	Industrial Hemp <i>C. Sativa</i>
<b>Control Status</b>	Non-Psychoactive - Not Controlled
<b><sup>1</sup>H NMR Spectrum</b>	Conforms to Structure
<b><sup>13</sup>C NMR Spectrum</b>	Conforms to Structure
<b>Purity - HPLC</b>	≥98%
<b>Recommended retest period</b>	2 years

### Analytic Specifications

<b>Cannabinoid Content</b>	<b>HPLC</b>	<b>Heavy Metals</b>	<b>ICP-MS</b>
Cannabigerol	≥98%	Arsenic	<1000 ppb
Δ-9-tetrahydrocannabinol	0%	Cadmium	<410 ppb
		Mercury	<200 ppb
		Lead	<1000 ppb
<b>Microbiology</b>	<b>(qPCR/Culture)</b>	<b>Pesticides</b>	<b>GC-MS</b>
Total Aerobic Count	<10,000 CFU/g	Abamectin	<50 ppb
Total Coliforms	<100 CFU/g	Aldicarb	<20 ppb
Total Yeast and Molds	<1,000 CGU/g	Bifenazate	<20 ppb
E. coli	None Detected	Cyfluthrin	<10 ppb
Salmonella	None Detected	Daminozide	<50 ppb
<b>Residual Solvents</b>	<b>GC-MS</b>	Diazinon	<10 ppb
Propane	<1000 ppm	Dichlorvos	<150 ppb
Butanes	<1000 ppm	Dimethoate	<10 ppb
Pentane	<1000 ppm	Etoxazole	<10 ppb
Ethanol	<1000 ppm	Flonicamid	<30 ppb
Acetone	<1000 ppm	Fludioxonil	<10 ppb
Isopropyl Alcohol Hexane	<1000 ppm	Imidacloprid	<20 ppb
Benzene	<1000 ppm	Myclobutanil	<50 ppb
Heptanes	<1000 ppm	Paclbutrazol	<10 ppb
Toluene	<1000 ppm	Piperonyl Butoxide	<1,000 ppb
Xylenes	<1000 ppm	Pyrethrin 1	<50 ppb
		Spinosyn A	<10 ppb
		Spinosyn D	<10 ppb
		Spirotetramat	<20 ppb
		Thiamethoxam	<20 ppb
		Trifloxystrobin	<10 ppb

The information in this Product Data Sheet is presented in good faith based on in house and third party testing following current scientific knowledge and USDA quality requirements for industrial hemp. You should perform your own testing and analysis prior to use to ensure the product is suitable for your intended use.. For additional information please visit [Rhizosciences.com](https://rhizosciences.com).

# Product Data Sheet - CBG Isolate - Cannabigerol



## Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 03/28/2023

**SAMPLE NAME:** Cbg isolate  
Concentrate, Product Inhalable

**CULTIVATOR / MANUFACTURER**  
**Business Name:**  
**License Number:**  
**Address:**

**DISTRIBUTOR / TESTED FOR**  
**Business Name:** Rhizo Sciences LLC  
**License Number:**  
**Address:**

**SAMPLE DETAIL**

**Batch Number:**  
**Sample ID:** 230325S002

**Date Collected:** 03/25/2023  
**Date Received:** 03/25/2023  
**Batch Size:**  
**Sample Size:**  
**Unit Mass:** 50 grams per Unit  
**Serving Size:**



Scan QR code to verify authenticity of results.

### CANNABINOID ANALYSIS - SUMMARY

**Total THC:** Not Detected

**Total CBD:** Not Detected

**Sum of Cannabinoids:** 99.799%

**Total Cannabinoids:** 99.799%

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:  
Total THC =  $\Delta^9$ -THC + (THCa) (0.877)  
Total CBD = CBD + (CBDa) (0.877)  
Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN  
Total Cannabinoids = ( $\Delta^9$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

### SAFETY ANALYSIS - SUMMARY

**$\Delta^9$ -THC per Unit:** PASS

**Residual Solvents:** PASS

**Microbiology (Plating):** ND

**Pesticides:** PASS

**Heavy Metals:** PASS

**Mycotoxins:** PASS

**Microbiology (PCR):** PASS

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

**Sample Certification:** California Code of Regulations Title 4 Division 19, Department of Cannabis Control Business and Professions Code, Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

  
LQC verified by: Maria Garcia  
Job Title: Senior Laboratory Analyst  
Date: 03/28/2023

  
Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 03/28/2023

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