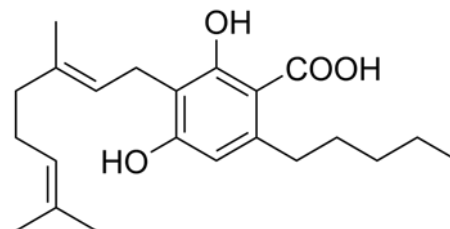


PRODUCT SPECIFICATION SHEET

Product Details:

Name of material	Cannabigerolic acid, 98%
Product ID / SKU	SN39I
Purity	≥98%
Origin	Produced from hemp derived CBG
CAS No.	25555-57-1
Molecular Formula	C ₂₁ H ₂₆ O ₂
Molecular Weight	360.5 g/mol



Chemical & Physical Properties:

Appearance	White to yellowish
Odor	Specific
Consistency	Crystalline powder
Solubility	Not soluble in water. Soluble in oils and organic solvents.

Long-term storage conditions:

Store this product upright, in the original container at temperatures $-20 \pm 5^{\circ}\text{C}$ ($-4 \pm 5^{\circ}\text{F}$). Store in a cool, dry place, away from light and air.

Packaging:

HDPE containers.

Shelf life:

12 months after production, in unopened original packaging maintained under correct storage conditions.

Batch Traceability:

Each batch of material is marked with a batch lot code. The batch lot code can be used to trace the production documentation for any specific batch of product. The production documentation contains full details of the manufacture of the product and contains all batch lot codes for any raw materials that were used in the manufacture of the product.

Genetic Modification:

Sanobiotec does not use genetically modified organisms or materials in its products.

Intended Usage:

The FDA has not evaluated this product for safety or efficacy.

Cannabinoid profile

Test	Action Limit
Cannabigerolic acid (CBGA)	≥ 98.0 %
delta-8-Tetrahydrocannabinol (Δ8-THC)	≤ 0.05 %
delta-9-Tetrahydrocannabinol (Δ9-THC)	≤ 0.05 %
delta-9-Tetrahydrocannabinolic acid (Δ9-THCA)	≤ 0.05 %

Cannabinoid analysis is performed by an accredited third-party laboratory using validated methods.

Residual Solvents

Test	Action Limit
Σ Acetone, 1-butanol, 2-butanol, butyl acetate, diethyl ether, ethanol, ethyl acetate, ethyl methyl ketone, methyl acetate, pentane, propan-2-ol, 1-propanol, heptane	≤ 5,000 ppm
Dichloromethane	≤ 600 ppm
Hexanes	≤ 290 ppm
Methanol	≤ 3,000 ppm

Residual Solvent Analysis is performed by an accredited third-party laboratory using validated methods by GC/MS. Residual solvent specifications are based on European Pharmacopoeia.

Heavy metals

Test	Action Limit
Arsenic (As)	< 0.2 ppm
Cadmium (Cd)	< 0.3 ppm
Lead (Pb)	< 0.5 ppm
Mercury (Hg)	< 0.1 ppm

Heavy Metal analysis is performed by an accredited third-party laboratory using validated methods by ICP/MS. Heavy Metal specifications are based on the ICH Harmonized Guideline for Elemental Impurities Q3D(R1), March 2019.

Pesticide Residue

Test	Action Limit
Pesticide residues	< 0.01 – 0,1 ppm

Pesticide is performed by an accredited third-party laboratory using validated methods by LC-MS. The analysis is performed on key raw material of the product. Pesticide specifications are based on European Pharmacopoeia.

Mycotoxins

Test	Action Limit
Aflatoxin B1	≤ 2 µg/kg
Aflatoxin sum	≤ 4 µg/kg
Ochratoxin A	≤ 2 µg/kg

Mycotoxins analysis is performed by an accredited third-party laboratory using validated methods. Mycotoxins analysis is performed on key raw material of the product. Specifications are based on European Pharmacopoeia.

Microbial Analysis

Test	Action Limit
Total aerobic microbial count (TAMC)	≤ 100 CFU/g
Total yeast/mould count (TYMC)	≤ 100 CFU/g
Bile-tolerant gram-negative bacteria	Absent/1g
<i>Candida albicans</i>	Absent/1g
<i>Pseudomonas aeruginosa</i>	Absent/1g
<i>Escherichia Coli</i>	Absent/1g
<i>Salmonella spp.</i>	Absent/25g

Microbial analysis is performed by an accredited third-party laboratory using validated methods. Specifications are based on European Pharmacopoeia.