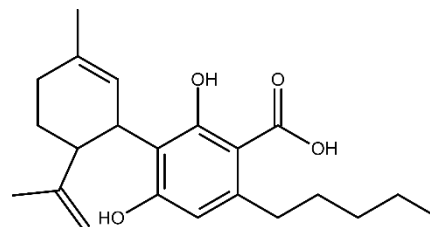


## PRODUCT SPECIFICATION SHEET

### Product Details:

|                   |                                                |
|-------------------|------------------------------------------------|
| Name of material  | Cannabidiolic acid, 98%                        |
| Product ID / SKU  | SN38I                                          |
| Purity            | ≥98%                                           |
| Origin            | Produced from hemp derived CBD                 |
| CAS No.           | 1244-58-2                                      |
| Molecular Formula | C <sub>22</sub> H <sub>30</sub> O <sub>4</sub> |
| Molecular Weight  | 358.5 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 |
|-----------------------------------------------|--------------|
| Cannabidiolic acid (CBDA)                     | ≥ 98.0 %     |
| delta-8-Tetrahydrocannabinol (Δ8-THC)         | ND           |
| delta-9-Tetrahydrocannabinol (Δ9-THC)         | ND           |
| delta-9-Tetrahydrocannabinolic acid (Δ9-THCA) | ND           |

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  |
| Acetonitrile                                                                                                                                                          | ≤ 410 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.