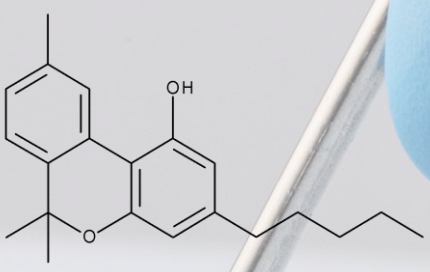
Sanobiotec Novus UAB
Mokslininkų g. 12, Vilnius LT-08412, Lithuania
Tel. +370 608 33823
novus@sanobiotec.com
www.sanobiotec.com
Ver. 9, 2023-08-18

PRODUCT SPECIFICATION SHEET



Product Details:

Name of material	Cannabinol, 99%
Product ID / SKU	SN03I
Purity	≥99%
Origin	Synthetic

Chemical & Physical Properties:

Appearance	White to off-white
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 <25° C (<77° F). Store in a cool, dry place, away from light and air.
Packaging:	HDPE containers.
Shelf life:	18 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 Novus does not use genetically modified organisms or material in its products.
Intended Usage:	The FDA has not evaluated this product for safety or efficacy.

Sanobiotec Novus UAB
Mokslininkų g. 12, Vilnius LT-08412, Lithuania
Tel. +370 608 33823
novus@sanobiotec.com
www.sanobiotec.com
Ver. 9, 2023-08-18

Cannabinoid profile

Test	Action Limit
Cannabinol (CBN)	≥99%
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.

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
Candida albicans	Absent/1g
Pseudomonas aeruginosa	Absent/1g
Escherichia coli	Absent/1g
Salmonella spp.	Absent/25g

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

Residual Solvents

Test	Action Limit
∑ 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	≤ 10 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 solvents 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.

Sanobiotec Novus UAB
Mokslininkų g. 12, Vilnius LT-08412, Lithuania
Tel. +370 608 33823
novus@sanobiotec.com
www.sanobiotec.com
Ver. 8, 2023-08-18

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. Analysis is performed in key raw material of 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 in key raw material of product. Specifications are based on European Pharmacopoeia.

Dioxins, dl PCBs, ndl PCBs

Test	Action Limit
Dioxins	< 0.75 pg/g
Sum of dioxins and dioxin-like PCBs	< 1.25 pg/g
Sum of non dioxin-like PCBs	< 40 ng/g

Dioxin analysis is performed by an accredited third-party laboratory using validated methods. Dioxin analysis is performed in key raw material of product.

Polycyclic Aromatic Hydrocarbons (PAHs)

Test	Action Limit
Chrysene	< 10.0 µg/kg
Benzo(a)anthracene	< 10.0 µg/kg
Benzo(b)fluorathene	< 10.0 µg/kg
Benzo(a)pyrene	< 10.0 µg/kg

PAHs analysis is performed by an accredited third-party laboratory using validated methods. PAHs analysis is performed in key raw material of product.