

SPECIFICATION

Name of material	Cannabidiol, CBD
Product ID / SKU	SN041
Origin	Natural
Purity	≥ 99 %
CAS	13956-29-1
Appearance	Crystalline powder
Solubility	Not soluble in water. Soluble in oils and organic solvents
Color	White to yellowish
Long-term storage conditions	20 ± 5 °C, store in a cool, dry place, away from light and air.
Packaging	HDPE container, aluminium container
Shelf life	12 months after production, in unopened original packaging maintained under correct storage conditions.

Material image reference



	ANALYSIS	ACCEPTANCE CRITERIA
Cannabinoid profile (HPLC at 228 nm and LCMS)	Cannabidiol (CBD)	≥ 99.0 %
	delta-8-Tetrahydrocannabinol (Δ8-THC)	≤ 0.05 %
	delta-9-Tetrahydrocannabinol (Δ9-THC)	≤ 0.05 %
Residual Solvents	∑ Acetone, 1-butanol, 2-butanol, butyl acetate, diethyl ether, ethanol, ethyl acetate, ethyl methyl ketone, methyl acetate, pentane, propan-2-ol, 1-propanol, heptane	≤ 5000 ppm
	Cyclohexane	≤ 3880 ppm
	Methanol	≤ 3000 ppm
	Dichloromethane	≤ 600 ppm
	n-hexane	≤ 290 ppm
Heavy metals	Arsenic (As)	< 0.1 ppm
	Cadmium (Cd)	< 0.1 ppm
	Lead (Pb)	< 0.1 ppm
	Mercury (Hg)	< 0.01 ppm
Microbiology	Total aerobic microbial count (TAMC)	≤ 2000 CFU/g
	Total yeast/mold count (TYMC)	≤ 200 CFU/g
	Bile-tolerant gram-negative bacteria	Absent/1g
	<i>Candida albicans</i>	Absent/1g
	<i>Pseudomonas aeruginosa</i>	Absent/1g
	<i>Staphylococcus aureus</i>	Absent/1g
	<i>Salmonella</i> spp.	Absent/25 g
	<i>Escherichia coli</i>	Absent/ 1 g

ANALYSIS		ACCEPTANCE CRITERIA
Dioxins, dl PCBs, ndl PCBs	Dioxins	≤ 0,75 pg/g
	Sum of dlPCBs	≤ 1,25 pg/g
	Sum of PCB28, 52, 101, 138, 153, 180	≤ 60 ng/g
Polycyclic Aromatic Hydrocarbons (PAHs)	Chrysene	< 10 µg/kg
	Benzo(a)anthracene	< 10 µg/kg
	Benzo(b)fluorathene	< 10 µg/kg
	Benzo(a)pyrene	< 10 µg/kg
Mycotoxins	Aflatoxin B1	≤ 2 µg/kg
	Aflatoxins sum	≤ 4 µg/kg
	Ochratoxin A	≤ 2 µg/kg
Pesticides	Pesticide residues	< 0.01 mg/kg