

## SPECIFICATION

<b>Name of material</b>	Cannabigerolic acid, CBGA
<b>Product ID / SKU</b>	SN39I
<b>Origin</b>	Synthetic
<b>Purity</b>	≥ 98 %
<b>CAS</b>	25555-57-1
<b>Appearance</b>	Solid
<b>Solubility</b>	Not soluble in water. Soluble in oils and organic solvents
<b>Color</b>	White to yellowish
<b>Long-term storage</b>	-20 ± 5 °C, store in a cool, dry place, away from light and air
<b>Packaging</b>	HDPE container, aluminium container
<b>Shelf life</b>	12 months after production, in unopened original packaging maintained under correct storage conditions.

### Material image reference



	ANALYSIS	ACCEPTANCE CRITERIA
<b>Cannabinoid profile (HPLC at 228 nm and LCMS)</b>	Cannabigerolic acid, CBGA	≥ 98.0 %
	delta-8-Tetrahydrocannabinol, Δ8-THC	≤ 0.05 %
	delta-9-Tetrahydrocannabinol, Δ9-THC	≤ 0.05 %
<b>Proton NMR spectrum</b>	Proton NMR spectrum	Conforms
<b>Residual Solvents</b>	∑ 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
<b>Heavy metals</b>	Arsenic (As)	< 0.1 ppm
	Cadmium (Cd)	< 0.1 ppm
	Lead (Pb)	< 0.1 ppm
	Mercury (Hg)	< 0.01 ppm
<b>Microbiology</b>	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	

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<b>Pesticides (N=648)</b>	Pesticide residues	< 0.01 mg/kg
<b>Dioxins</b>	Dioxins	≤ 0,75 pg/g
	Sum of dlPCBs	≤ 1,25 pg/g
	Sum of PCB28, 52, 101, 138, 153, 180	≤ 60 ng/g
<b>PAH4</b>	Chrysene	< 10 µg/kg
	Benzo(a)anthracene	< 10 µg/kg
	Benzo(b)fluorathene	< 10 µg/kg
	Benzo(a)pyrene	< 10 µg/kg