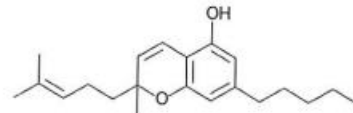


CERTIFICATE OF TESTING



Product Name	Cannabichromene, 98 %
Product Code	SN02I
Batch Number	SN02I220711
CAS Number	20675-51-8
Molecular formula	C ₂₁ H ₃₀ O ₂
Molecular Weight	314.5 g/mol
Date of Analysis	27/10/2022
Date of Manufacture	06/10/2022
Long-term storage conditions	5 °C ± 3 °C, protected from light and air
Expiry (re-test) date	10/2023

ANALYSIS	ACCEPTANCE CRITERIA	LOQ	RESULT
Appearance	Yellowish to dark amber	N/A	Dark amber
Appearance (form at RT)	Liquid	N/A	Conforms
Proton NMR spectrum	Conforms to structure	N/A	Conforms
Cannabinoids (HPLC, 228 nm)			
- CBC	≥ 98.00 %	0.17 %	98.40 %
- CBD	N/A	0.17 %	0.26 %
- CBDV	N/A	0.17 %	ND
- CBG	N/A	0.17 %	ND
- CBN	N/A	0.17 %	ND
- THCV	N/A	0.17 %	ND
Cannabinoids (LC-MS)			
- Δ8-THC	≤ 0.05 %	0.05 %	< 0.05 %
- Δ9-THC	≤ 0.05 %	0.05 %	ND
Residual solvents ¹			
- ∑ Acetone, ethanol, butyl acetate, ethyl acetate, ethyl methyl ketone, methyl acetate, pentane, propan-2-ol	≤ 1000 ppm	1.0 ppm	4.9 ppm
- Methanol	≤ 100 ppm	1.0 ppm	< 1.0 ppm



ANALYSIS	ACCEPTANCE CRITERIA	LOQ	RESULT
- Dichloromethane	≤ 100 ppm	0.1 ppm	1.0 ppm
- n-Hexane	≤ 290 ppm	1.0 ppm	10.8 ppm
Heavy metals ¹			
- Arsenic (As)	< 0.1 ppm	0.040 ppm	< 0.040 ppm
- Cadmium (Cd)	< 0.1 ppm	0.010 ppm	< 0.010 ppm
- Lead (Pb)	< 0.1 ppm	0.020 ppm	< 0.020 ppm
- Mercury (Hg)	< 0.01 ppm	0.010 ppm	< 0.010 ppm
Aflatoxins ¹			
- B1	≤ 2 µg/kg	0.50 µg/kg	< 0.50 µg/kg
- Aflatoxins sum	≤ 4 µg/kg	N/A	ND
- Ochratoxin A	≤ 2 µg/kg	0.50 µg/kg	< 0.50 µg/kg
Pesticides ¹			
- Pesticides	< 0.01 mg/kg	0,001-0,01 ² mg/kg	ND
Microbiology ¹			
- TAMC	≤ 100 CFU/g	10 CFU/g	< 10 CFU/g
- TYMC	≤ 100 CFU/g	10 CFU/g	< 10 CFU/g
- Bile-tolerant gram-negative bacteria	Absent/ 1 g	Detected / Not detected	ND
- <i>Salmonella</i> spp.	Absent/ 25 g	Detected / Not detected	ND
- <i>Escherichia coli</i>	Absent/ 1 g	Detected / Not detected	ND

¹ - Performed at ISO 17025 certified contract testing laboratory.

² - Depends on the pesticide and matrix of the sample.

N/A – Not Applicable

ND – Not Detected

Approved by:



Chemist Analyst
2022-10-28
[Signature]
Date, signature

Head of Quality
2022-10-28
[Signature]
Date, signature

SPECIFICATION

Name of material	Cannabichromene, CBC
Product ID / SKU	SN02I
Origin	Synthetic
Purity	≥ 98 %
CAS	20675-51-8
Appearance (form at RT)	Liquid
Solubility	Not soluble in water. Soluble in oils and organic solvents
Color	Yellowish to dark amber
Long-term storage	-20 ± 5 °C, store in a cool, dry place, away from light
Packaging	Amber glass 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)	Cannabichromene (CBC)	≥ 98.0 %
	delta-8-Tetrahydrocannabinol (Δ8-THC)	≤ 0.05 %
	delta-9-Tetrahydrocannabinol (Δ9-THC)	≤ 0.05 %
Proton NMR spectrum	Proton NMR spectrum	Conforms
Residual Solvents	Σ Acetone, butyl acetate, ethanol, ethyl acetate, ethyl methyl ketone, methyl acetate, pentane, propan-2-ol	≤ 1000 ppm
	Methanol	≤ 100 ppm
	Dichloromethane	≤ 100 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
Mycotoxins	Aflatoxin B1	≤ 2 µg/kg
	Aflatoxin sum	≤ 4 µg/kg
	Ochratoxin A	≤ 2 µg/kg
Pesticides (N=648)	Pesticide residues	< 0.01 mg/kg
Microbiology	Total aerobic microbial count (TAMC)	≤ 100 CFU/g
	Total yeast/mold count (TYMC)	≤ 100 CFU/g
	Bile-tolerant gram-negative bacteria	Absent/ 1 g
	<i>Salmonella</i> spp.	Absent/ 25 g
	<i>Escherichia coli</i>	Absent/ 1 g