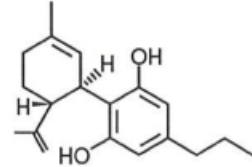


## CERTIFICATE OF TESTING



<b>Product Name</b>	Cannabidivarin isolate, 98%
<b>Product Code</b>	SN06I
<b>Batch Number</b>	SN06I220505
<b>CAS Number</b>	24274-48-4
<b>Molecular formula</b>	C <sub>19</sub> H <sub>26</sub> O <sub>2</sub>
<b>Molecular Weight</b>	286.4 g/mol
<b>Date of Analysis</b>	02/06/2022
<b>Date of Manufacture</b>	02/06/2022
<b>Long-term storage conditions</b>	20 °C ± 5 °C
<b>Expiry (re-test) date</b>	06/2023

ANALYSIS	ACCEPTANCE CRITERIA	LOQ	RESULT
Appearance	White-off to yellowish	N/A	Yellowish
Appearance (form at RT)	Crystalline powder	N/A	Conforms
Proton NMR spectrum	Conforms to structure	N/A	Conforms
Cannabinoids (HPLC, 228 nm)			
- CBC	N/A	0.17 %	ND
- CBD	N/A	0.17 %	ND
- CBDV	≥ 98.00 %	0.17 %	99.58 %
- CBG	N/A	0.17 %	ND
- CBN	N/A	0.17 %	ND
- THCV	N/A	0.17 %	ND
Cannabinoids (LC-MS/MS) <sup>1</sup>			
- Δ8-THC	< 0.05 %	0.03 %	TBD
- Δ9-THC	< 0.05 %	0.03 %	TBD
Residual solvents <sup>1</sup>			
- ∑ 2-butanol, acetone, heptane, ethanol, propan-2-ol, methyl acetate, ethyl acetate, butyl acetate, ethyl methyl ketone, 1-propanol, 1-butanol, diethylether	≤ 5000 ppm	1 ppm	TBD
- Methanol	≤ 3000 ppm	1 ppm	TBD
- Dichloromethane	≤ 600 ppm	0.1 ppm	TBD
- Cyclohexane	≤ 3880 ppm	1 ppm	TBD
- n-Hexane	≤ 290 ppm	1 ppm	TBD
Heavy metals <sup>1</sup>			



- Arsenic (As)	< 0.1 ppm	0.04 ppm	TBD
- Cadmium (Cd)	< 0.1 ppm	0.01 ppm	TBD
- Lead (Pb)	< 0.1 ppm	0.02 ppm	TBD
- Mercury (Hg)	< 0.01 ppm	0.01 ppm	TBD
Microbiology <sup>1</sup>			
- TAMC	≤ 2000 CFU/g	10 CFU/g	TBD
- TYMC	≤ 200 CFU/g	10 CFU/g	TBD
- Bile-tolerant gram-negative bacteria	ND	Detected / Not detected	TBD
- <i>Salmonella</i> spp.	ND	Detected / Not detected	TBD
- <i>Escherichia coli</i>	ND	Detected / Not detected	TBD

<sup>1</sup> - Performed at ISO 17025 certified contract testing laboratory.

N/A – Not applicable

ND – Not Detected

TBD – To Be Determined

Approved by:




Quality Control Analyst

2022-06-13  
Date, signature

Head of Quality

2022-06-13  
Date, signature

## SPECIFICATION

<b>Name of material</b>	Cannabidivarin, CBDV	<b>Material image reference</b>  
<b>Product ID / SKU</b>	SN06I	
<b>Origin</b>	Synthetic	
<b>Purity</b>	≥ 98 %	
<b>CAS</b>	24274-48-4	
<b>Appearance</b>	Crystalline powder	
<b>Solubility</b>	Not soluble in water. Soluble in oils and organic solvents	
<b>Color</b>	Pale yellow	
<b>Long-term storage conditions</b>	20 ± 5 °C, store in a cool, dry place, away from light	
<b>Packaging</b>	HDPE container, aluminum container	
<b>Shelf life</b>	12 months after production, in unopened original packaging maintained under correct storage conditions.	

	ANALYSIS	ACCEPTANCE CRITERIA
<b>Cannabinoid profile (HPLC at 228 nm and LCMS)</b>	Cannabidivarin (CBDV)	≥ 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>	Σ Acetone, 1-butanol, 2-butanol, butyl acetate, diethyl ether, ethanol, ethyl acetate, ethyl methyl ketone, methyl acetate, propan-2-ol, 1- propanol, heptane	≤ 5000 ppm
	Cyclohexane	≤ 3880 ppm
	Methanol	≤ 3000 ppm
	Dichloromethane	≤ 10 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)	≤ 100 CFU/g
	Total yeast/mold 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>Staphylococcus aureus</i>	Absent/ 1g
	<i>Salmonella spp.</i>	Absent/ 25 g
<i>Escherichia coli</i>	Absent/ 1g	