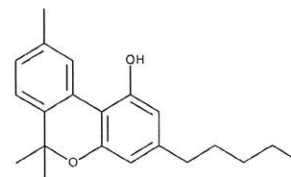


CERTIFICATE OF TESTING



Product Name	Cannabinol, 99 %
Product Code	SN03I
Batch Number	SN03I230757
CoT Number	COT23103
CAS Number	521-35-7
Molecular formula	C ₂₁ H ₂₆ O ₂
Molecular Weight	310.4 g/mol
Date of Analysis	04/08/2023
Date of Manufacture	25/07/2023
Storage conditions	20 °C ± 5 °C, protected from light and air
Expiry (re-test) date	01/2025

ASSAY	ACCEPTANCE CRITERIA	LOQ	RESULT
Appearance	White to yellowish	N/A	White
Appearance (form at RT)	Crystalline powder	N/A	Conforms
Proton NMR spectrum	Conforms to structure	N/A	Conforms
Cannabinoids (HPLC-PDA, LC-MS/MS, GC-MS/MS) ¹			
- CBC	N/A	0.0284 %	ND
- CBD	N/A	0.0242 %	ND
- CBDV	N/A	0.0182 %	ND
- CBG	N/A	0.0172 %	ND
- CBN	≥ 98.00 %	0.0169%	99.4 %
- Δ ⁹ -THCV	N/A	0.0206 %	ND
Cannabinoids (HPLC-PDA, LC-MS/MS, GC-MS/MS) ¹			
- Δ ⁸ -THC	≤ 0.05 %	0.0312 %	ND
- Δ ⁹ -THC	≤ 0.05 %	0.0227 %	ND
- Δ ⁹ -THCA	≤ 0.05 %	0.0251 %	ND

¹ Performed in ISO 17025 certified contract testing laboratory

N/A – Not Applicable


ND – Not Detected

Approved by:

Gabija Adomaite
QC Manager


2023-09-04
Date, signature

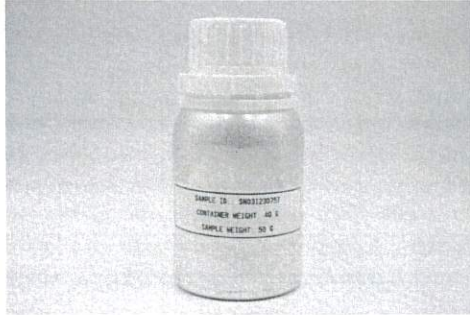
Sandra Lescinske
Head of Quality


2023-09-04
Date, signature

SN03I230757

 Sample ID: SA-230821-26086
 Batch: SN03I230757
 Type: In-Process Material
 Matrix: Concentrate - Isolate
 Unit Mass (g):

 Received: 08/24/2023
 Completed: 09/01/2023

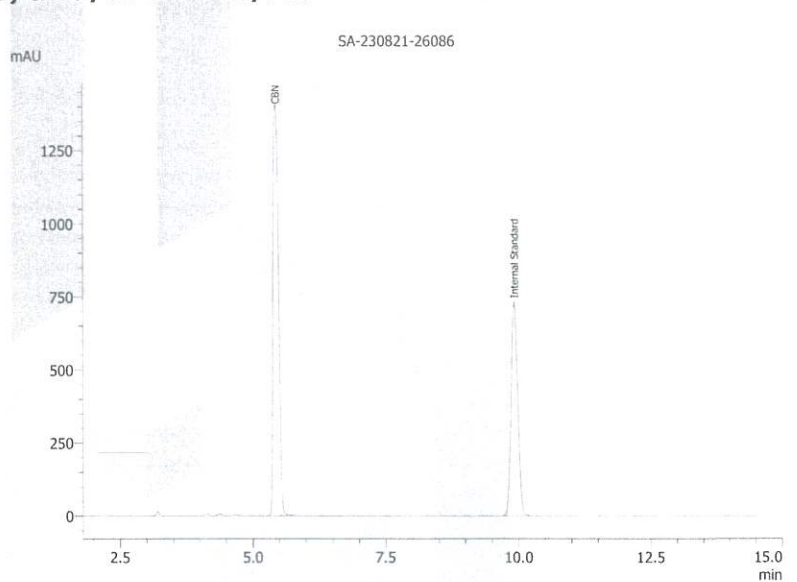
Client
 JSC Sanobiotec Novus
 Olimpietiu g. 1-4
 Vilnius, Vilnius LT-09235
 Lithuania

Summary

Test	Date Tested	Status
Cannabinoids	09/01/2023	Tested
Heavy Metals	08/30/2023	Tested
Microbials	08/31/2023	Tested
Residual Solvents	08/25/2023	Tested

ND	99.4 %	99.4 %	Not Tested	Not Tested	Yes
Total Δ9-THC	CBN	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	99.4	994
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
Total Δ9-THC			ND	ND
Total			99.4	994



ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;



 Generated By: Ryan Bellone
 CCO
 Date: 09/01/2023



 Tested By: Nicholas Howard
 Scientist
 Date: 09/01/2023

 ISO/IEC 17025:2017 Accredited
 Accreditation #108651


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KCA Laboratories
 232 North Plaza Drive
 Nicholasville, KY 40356

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<https://kcalabs.com>
 KDA Lic.# P_0058

SN03I230757

Sample ID: SA-230821-26086
 Batch: SN03I230757
 Type: In-Process Material
 Matrix: Concentrate - Isolate
 Unit Mass (g):

Received: 08/24/2023
 Completed: 09/01/2023

Client
 JSC Sanobiotec Novus
 Olimpiociu g. 1-4
 Vilnius, Vilnius LT-09235
 Lithuania

Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	<LOQ
Mercury	12	50	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone
 CCO
 Date: 09/01/2023

Tested By: Chris Farman
 Scientist
 Date: 08/30/2023



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SN031230757

Sample ID: SA-230821-26086
 Batch: SN031230757
 Type: In-Process Material
 Matrix: Concentrate - Isolate
 Unit Mass (g):

Received: 08/24/2023
 Completed: 09/01/2023

Client
 JSC Sanobiotec Novus
 Olimpiciu g. 1-4
 Vilnius, Vilnius LT-09235
 Lithuania

Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	1	ND	
Total coliforms	1	ND	
Generic E. coli	1	ND	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram
Total yeast and mold count (TYMC)	1	ND	

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone
 CCO
 Date: 09/01/2023

Tested By: Matt Zachman
 Laboratory Technician
 Date: 08/31/2023



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Nicholasville, KY 40356

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KDA Lic.# P_0058

Certificate of Analysis

SN031230757

Sample ID: SA-230821-26086
Batch: SN031230757
Type: In-Process Material
Matrix: Concentrate - Isolate
Unit Mass (g):

Received: 08/24/2023
Completed: 09/01/2023

Client
JSC Sanobiotec Novus
Olimpieciu g. 1-4
Vilnius, Vilnius LT-09235
Lithuania

Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Glycol	21	62	ND
Acetonitrile	14	41	ND	Ethylene Oxide	0.5	1	ND
Benzene	0.5	1	ND	Heptane	167	500	ND
Butane	167	500	ND	n-Hexane	10	29	ND
1-Butanol	167	500	ND	Isobutane	167	500	ND
2-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanone	167	500	ND	Isopropyl Alcohol	167	500	ND
Chloroform	2	6	ND	Isopropylbenzene	167	500	ND
Cyclohexane	129	388	ND	Methanol	100	300	ND
1,2-Dichloroethane	0.5	1	ND	2-Methylbutane	10	29	ND
1,2-Dimethoxyethane	4	10	ND	Methylene Chloride	20	60	ND
Dimethyl Sulfoxide	167	500	ND	2-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	3-Methylpentane	10	29	ND
2,2-Dimethylbutane	10	29	ND	n-Pentane	167	500	ND
2,3-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone
CCO
Date: 09/01/2023

Tested By: Scott Caudill
Laboratory Manager
Date: 08/25/2023



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