

Certificate of Analysis No. 367/2024

Product:	Cannabis for medical use
Type:	Cannabis Indica Flos
Strain:	Pineapple Express
Trade name of the product:	Cannabis bava medical 21/1 PINEAPPLE EXPRESS
Type of medicinal substance:	dried flower
Package size:	10 grams
Irradiation:	none
Batch:	K.23.DRBD0303
Expiry date:	18.09. 2025
Testing method:	Ph. Eur. Monograph (current edition)

Range of Analyses:

Test	Method	Acceptance limits (Specification)	Results	Complies
Identity ^{1) 3)}				
Odour ¹⁾	Ph.Eur.3028	Characteristic of cannabis flowers	Complies	YES
Macroscopic examination (appearance) ¹⁾	Ph.Eur 3028	Comply with monograph	Complies	YES
Microscopy ¹⁾	Ph.Eur. 3028/2.8.23	Comply with monograph	Complies	YES
TLC ³⁾	Ph.Eur. 3028/2.8.25	Comply with monograph	Complies	YES
Purity ¹⁾				
Loss on drying ³⁾	Ph.Eur. 3028/ 2.2.32	≤ 12%	8,38 %	YES
Foreign matter ¹⁾	Ph. Eur.3028/ 2.8.2	≤ 2 %	Complies	YES
Pesticides residues ¹⁾	Ph. Eur. 2.8.13	Below limits in Ph. Eur.	Complies	YES
Assay of cannabinoids content ¹⁾				
Total THC (tetrahydrocannabinol)	Ph. Eur. 3028/ 2.2.29	21±10%	21,63 %	YES
Suma CBD (cannabidiol)	Ph. Eur. 3028/ 2.2.29	≤ 1,0 %	< 1 %	YES
Related substance Suma CBN (cannabinol)	Ph. Eur. 3028/ 2.2.29	≤ 1,0 %	< 1 %	YES
Absence of heavy metals ¹⁾				
Cadmium	Ph. Eur.3028/ 2.4.27	≤ 0,3 µg/g	≤ 0,3 µg/g	YES
Mercury and its compounds	Ph. Eur. 3028/2.4.27	≤ 0,1 µg/g	≤ 0,1 µg/g	YES
Lead	Ph. Eur. 3028/ 2.4.27	≤ 0,5 µg/g	≤ 0,5 µg/g	YES
Arsen	Ph. Eur.3028/ 2.4.30	≤ 0,2 µg/g	≤ 0,2 µg/g	YES

Mycotoxins purity ¹⁾				
Aflatoxin B1	Ph. Eur. 2.8.18	≤ 2 µg/kg	< 2 µg/kg	YES
Sum of aflatoxins (B1, B2, G1, G2)	Ph. Eur. 2.8.18	≤ 4 µg/kg	< 4 µg/kg	YES
Ochratoxin A	Ph. Eur. 2.8.22	≤ 20 µg/kg	< 20 µg/kg	YES
Microbiological purity – Comply with Ph. Eur. 2.6.12 ²⁾				
TAMC	Ph. Eur. 2.6.12, limits by 5.1.8 C	Max. 500.000 CFU/g	<1000	YES
TYMC	Ph. Eur. 2.6.12, limits by 5.1.8 C	Max. 50.000 CFU/g	<100	YES
Bile-tolerant Gram-negative bacteria	Ph. Eur. 2.6.31	≤ 10 ⁴ CFU/g	Absence/1g	YES
Escherichia coli	Ph. Eur. 2.6.31	Absence / 1 g	Absence/1g	YES
Salmonella sp.	Ph. Eur. 2.6.31	Absence / 25 g	Absence/25g	YES
Pseudomonas aeruginosa	Ph. Eur. 2.6.13, 5.1.8 C	Absence / 1 g	Absence / 1 g	YES
Staphylococcus aureus	Ph. Eur. 2.6.13, 5.1.8 C	Absence / 1 g	Absence / 1 g	YES

Testing sites:

¹⁾ Lagom Pharmatech s.r.o.
č.p. 401, 338 21 Osek, CZ
GMP certificate No.: suks21471/2023

²⁾ ITEST plus s.r.o.
Kladská 1032, 500 03 Hradec Králové, CZ
GMP certificate No.: suks195787/2021

³⁾ Zdravotní ústav se sídlem v Ústí nad Labem
Zkušební laboratoř Hradec Králové, pracoviště č. 1a HK,
Nezvalova 958, 500 03 Hradec Králové
GMP certificate No.: suks119870/2020

Conclusion of testing:

I hereby confirm that the information provided is true and complete. This batch of product has been analysed to the extent requested by the customer, in full compliance with EU-GMP requirements.

The certificate was issued by: Monika Snaiberkova
Controlled by: Sarka Sladkova
Number of pages: 2
Published on: 18.12.2024
Approved: Tomas Fabricky

