

CERTIFICATE OF ANALYSIS



Commercial Name: SAF-MAC 3

COA Number: 0477

Bulk Batch Number: 289

Packaging Batch Number: PN25129-28

Pack Size: 400 g

Product: Irradiated Cannabis Flowers

Cultivar: BC-028 (Miracle Alien Cookie 3)

Expiry Date: 31-Jul-2026

Laboratory Reference: VL 3432-0002

TEST	METHOD	SPECIFICATIONS	RESULT
Identity Tests			
Appearance and Smell	Ph. Eur. Cannabis Flower monograph (3028)	In agreement with reference description.	Complies
Microscopy	Ph. Eur. Cannabis Flower monograph (3028)	In agreement with reference description.	Complies
Thin Layer Chromatography	Ph. Eur. Cannabis Flower monograph (3028)	In agreement with reference TLC.	Complies
Purity			
Foreign Material	Ph. Eur. Cannabis Flower monograph (3028)	The content of Foreign Matter is NMT 2 % w/w. The flower does not contain any seeds and the whole herbal drug does not contain any leaves more than 1.0 cm in length.	< 2 %
Loss on Drying	Ph. Eur. Cannabis Flower monograph (3028)	≤ 12.0 %	10.0 %
Total Ash	Ph. Eur. 2.4.16	NMT 20.0 %	11.0 %
Total CBN	Ph. Eur. Cannabis Flower monograph (3028) or equivalent method	≤ 1.0 %	0.1 %
Assay			
Total THC (on dried basis)	Ph. Eur. Cannabis Flower monograph (3028) or equivalent method	19.8 % - 24.2 %	21.4 %
Total CBD (on dried basis)		NMT 1.0 %	0.1 %
Microbiological Quality			
Total Aerobic Bacteria Count	Ph. Eur. 2.6.12, 5.1.4	NMT 200 CFU/g	< 10 CFU/g
Contaminating Fungi (Yeast and Mould)		NMT 20 CFU/g	< 10 CFU/g
Bile Tolerant Gram-Negative Bacteria	Ph. Eur. 2.6.31, 5.1.4	Absent in 1 g	Absent
<i>Salmonella spp.</i>	Ph. Eur. 2.6.31, 5.1.4	Absent in 10 g	Absent
<i>Escherichia coli</i>		Absent in 1 g	Absent
<i>Staphylococcus aureus</i>	Ph. Eur. 2.6.13	Absent in 1 g	Absent
<i>Pseudomonas aeruginosa</i>		Absent in 1 g	Absent

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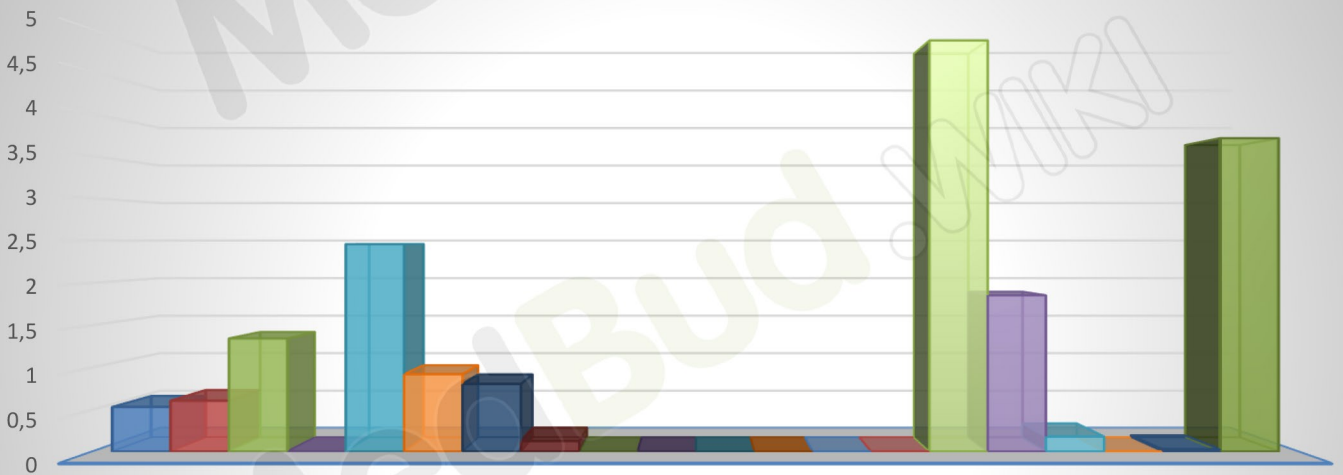
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Mycotoxins			
Aflatoxin B-1	Ph. Eur. 2.8.18	NMT 2 µg/kg	Not Detected
Aflatoxins B-1, B-2; G-1, G-2		NMT 4 µg/kg	Not Detected
Ochratoxin A	Ph. Eur. 2.8.22	NMT 20 µg/kg	Not Detected
Pesticides	Ph. Eur. 2.8.13	Complies with Ph. Eur. 2.8.13	Complies
Heavy Metals			
Lead	Ph. Eur. 2.4.27	Maximum 0.5 ppm	< 0.05 ppm
Cadmium		Maximum 0.3 ppm	< 0.01 ppm
Mercury		Maximum 0.1 ppm	< 0.05 ppm
Arsenic		Maximum 0.2 ppm	< 0.01 ppm

Terpene Profile

Terpene Profile (mg/g)



- Alpha-Bisabolol
- Alpha-Humulene
- Alpha-Pinene
- Alpha-Terpinene
- Beta-Caryophyllene
- Beta-Myrcene
- Beta-Pinene
- Camphene
- cis-Nerolidol
- Delta-3-Carene
- Gamma-Terpinene
- Geraniol
- Guaiol
- Isopulegol
- Limonene
- Linalool
- Ocimene
- Para-Cymene
- Terpinolene
- trans-Nerolidol

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Comments:

Within Specification.

Complied by QC

Print Name: Antonatte Nkosi

Signature:



Date: 23-07-2025

Reviewed by QA

Print Name: Asavela Lengisi

Signature:



Date: 23-07-2025

Approved by RP/QP

Print Name: Melani Botes

Signature:



Date: 23-07-2025