

## CERTIFICATE OF ANALYSIS



**Commercial Name: GRW-SAF-PP**

**COA Number: 0388-A**

**Bulk Batch Number: 229**

**Packaging Batch Number: PN25053-80**

**Pack Size: 400 g**

**Product: Irradiated Cannabis Flowers**

**Cultivar: BC-080 (Purple Punch)**

**Expiry Date: 30/04/26**

**Laboratory Reference: VL 1403-001; VL 1722-001;**

TEST	METHOD	SPECIFICATIONS	RESULT
<b>Identity Tests</b>			
<b>Appearance and Smell</b>	Ph. Eur. 11.5 (Identity A)	Dark green to pale yellow or light brown to reddish-brown with the characteristic smell of Cannabis	Complies
<b>Microscopy</b>	Ph. Eur. 2.8.23 (Identity B)	Complies with the Monograph	Complies
<b>Thin Layer Chromatography</b>	Ph. Eur. 2.8.25 (Identity C)	Complies with the Monograph	Complies
<b>Purity</b>			
<b>Foreign Material</b>	Ph. Eur. 2.8.2	NMT 2 %	Complies
<b>Loss on Drying</b>	Ph. Eur. 2.2.32	NMT 12.0 %	9.6 %
<b>Total Ash</b>	Ph. Eur. 2.4.16	NMT 20.0 %	10.9 %
<b>Total Content CBN</b>	Ph. Eur. 2.2.29	NMT 1.0 %	0.0 %
<b>Assay</b>			
<b>Total THC</b>	Ph. Eur. 2.2.29	18.0 % - 22.0 %	19.7 %
<b>Total CBD</b>		NMT 1.0 %	0.1 %
<b>Microbiological Quality</b>			
<b>Total Aerobic Bacteria Count</b>	Ph. Eur. 2.6.12, 5.1.4	NMT 200 CFU/g	< 10 CFU/g
<b>Contaminating Fungi (Yeast and Mould)</b>		NMT 20 CFU/g	< 10 CFU/g
<b>Bile Tolerant Gram-Negative Bacteria</b>	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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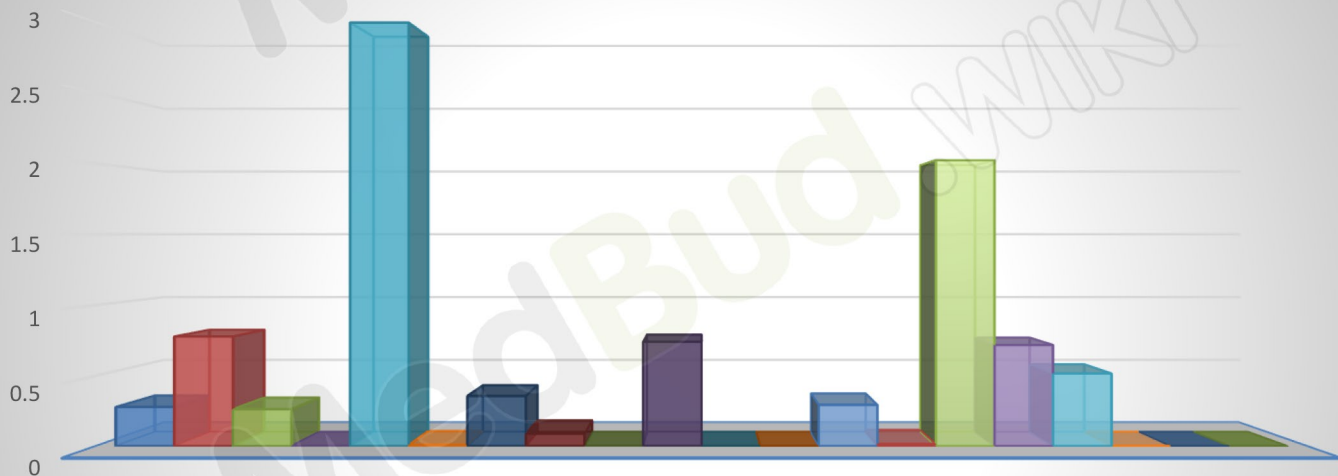
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TEST	METHOD	SPECIFICATIONS	RESULT
<b>Mycotoxins</b>			
Aflatoxin B-1	Ph. Eur. 2.8.18	NMT 2 µg/kg	Not Detected
Aflatoxins B-1, B-2; G-1, G-2		NMT 4 µg/kg	Not Detected
Ochratoxin A	Ph. Eur. 2.8.22	NMT 20 µg/kg	Not Detected
<b>Pesticides</b>	Ph. Eur. 2.8.13	Complies with Ph. Eur. 2.8.13	Complies
<b>Heavy Metals</b>			
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:** 31-03-2025

**Reviewed by QA**  
**Print Name:** Asavela Lengisi  
**Signature:**  **Date:** 31-03-2025

**Approved By RP/QP**  
**Print Name:** Melani Botes  
**Signature:**  **Date:** 31-03-2025