



Certificate of Analysis
Materia GH 27/1
10g Germany

Material Details			
Material Name	Materia GH 27/1		
Material Code	F044		
Material description	10g Dried Cannabis Flower Strain Grape Haze (R046) in Finished Product Packaging		
Batch number	D07501	Certificate of Analysis Version	01
Packaging date	03-Jul-2024		
Contract Laboratory Analysis Date	08-Aug-2024	Contract Laboratory Certificate No.	LN24F/0173
API Batch number	D05101		
Storage	Tightly closed, protected from light, below 25°C		
Shelf-life	9 months (Stability studies in progress)		

Test	Method	Acceptance Criteria	Results
Labelling	Visual inspection	Packaged product label is correctly aligned. Packaged product label conforms to the approved label artwork.	Complies
Variable Data	BPR information, Visual Inspection	The variable data matches the batch specific data specified in the BPR. Variable data includes: Strain name Cannabinoid Content Quantity - The printed quantity on the label is 10 grams. Batch No. Expiry Date PZN Number	Complies
Expiry date	BPR information, Visual Inspection	Printed expiry date is the packaging date of the product + the shelf-life determined from stability studies.	Complies
Serial No.	BPR information, Visual Inspection	The serial number is present and includes 10 alphanumeric characters.	Complies
Physical characteristics	Visual Inspection	There are no visible damages or markings to the packaged product or the labels.	Complies
Seal Integrity	Functional check	The bag cannot be opened due to the presence of the intact seal.	Complies
Identification: Appearance	DAB Monograph "Cannabis Flower"	Green to brown clustered aerial parts with characteristic smell.	Complies
Identification A: Macroscopic Properties	DAB Monograph "Cannabis Flower"	Conforms to description in the monograph.	Complies
Identification B: Microscopic Properties	DAB Monograph "Cannabis Flower" Ph. Eur. 2.8.23	Conforms to description in the monograph.	Complies



Certificate of Analysis
Materia GH 27/1
10g Germany

Test	Method	Acceptance Criteria	Results
Identification: HPLC	HPLC (In-house method) Ph. Eur. 2.2.29	The retention time of test solution CBD and THC matches that for CBD and THC Reference solutions.	Complies*
Assay and related substances	HPLC (In-house method) Ph. Eur. 2.2.29	Total Δ^9 -tetrahydrocannabinol (sum of THCA + THC on dried basis)	90.0 – 110.0% of the label claim (27% w/w) 99.4% (26.846% w/w)* % w/w
		Cannabidiol (CBD)	≤1.0% w/w 0.0* % w/w
		Cannabinol (CBN)	≤1.0% w/w 0.0* % w/w
Foreign Matter	Ph. Eur. 2.8.2	The sample is free from moulds, insects, and other animal contamination (e.g. vermin), as well as other foreign matter.	NMT 2 % m/m 0 %
Loss on Drying	Ph. Eur. 2.2.32	NMT 10% (m/m)	8 %
Aflatoxins	Ph. Eur. 2.8.18	Aflatoxin B ₁	NMT 2 µg/kg <LOQ (0.3 µg/kg) µg/kg
		Sum of Aflatoxins B ₁ , B ₂ , G ₁ , G ₂	NMT 4 µg/kg <LOQ (0.3 µg/kg) µg/kg
Pesticide residues	Ph. Eur. 2.8.13	Complies with Ph. Eur. requirements	Complies*
Heavy Metals	Ph. Eur. 2.4.27	Cadmium (Cd)	NMT 1.0 ppm <LOQ (<0.1004)* ppm
		Lead (Pb)	NMT 5.0 ppm <LOQ (<0.0998)* ppm
		Mercury (Hg)	NMT 0.1 ppm <LOQ (<0.0500)* ppm
Microbiological Contamination Ph. Eur. 5.1.4 Ph. Eur. 5.1.8 (C)	Ph. Eur. 2.6.12	TAMC Ph. Eur. 5.1.8 (C)	NMT 10 ⁵ CFU/g or CFU/mL <10 <input checked="" type="checkbox"/> CFU/g <input type="checkbox"/> CFU/mL
		TYMC Ph. Eur. 5.1.8 (C)	NMT 10 ⁴ CFU/g or CFU/mL <550 <input checked="" type="checkbox"/> CFU/g <input type="checkbox"/> CFU/mL
	Ph. Eur. 2.6.13 Ph. Eur. 2.6.31	Bile tolerant gram-negative bacteria Ph. Eur. 5.1.8 (C)	NMT 10 ⁴ CFU/g or CFU/mL <10 <input checked="" type="checkbox"/> /g <input type="checkbox"/> /mL
		<i>E. coli</i> Ph. Eur. 5.1.8 (C)	Absence per 1 g or 1 mL Absent <input checked="" type="checkbox"/> /g <input type="checkbox"/> /mL
		<i>Salmonella</i> Ph. Eur. 5.1.8 (C)	Absence per 25 g or 25 mL Absent <input checked="" type="checkbox"/> /25g <input type="checkbox"/> /25mL
		<i>Staphylococcus aureus</i> Ph. Eur. 5.1.4	Absence per 1 g or 1 mL Absent <input checked="" type="checkbox"/> /g <input type="checkbox"/> /mL
		<i>Pseudomonas aeruginosa</i> Ph. Eur. 5.1.4	Absence per 1 g or 1 mL Absent <input checked="" type="checkbox"/> /g <input type="checkbox"/> /mL

Comments:

*Test results transposed from raw material CoA (D05101 V3).



Alphaforma
Operations
Limited

Certificate of Analysis
Materia GH 27/1
10g Germany

Document CA-F044-01
Based on QC-SOP-0047
Date Jun 2024
Page 3 of 5

The material is	<input checked="" type="checkbox"/> Compliant	<input type="checkbox"/> Not Compliant	<input type="checkbox"/> Other - See Comments
-----------------	---	--	---

	Name, Position	Signature	Date
Author	[Redacted]	[Redacted]	09/08/2024
Reviewer			09 AUG 2024
Approver			09/08/2024