

Product Name:	Grunhorn HGH 27/1		
Batch no.:	GH/CMD/HGH/240702		
Strain Cultivar:	HGH		
Product specification:	PH-SP-030		
Storage Conditions:	Below 25°C protected from light in a tight container		
Expiry Date:	04/2025		
Packaging:	PET 12 µm – ALU 9 µm – PE 100 µm	Quantity:	10g

TESTING RESULTS

Test parameter	Method	Acceptance Criteria	Test Results
Appearance	DAB.2018 <i>Cannabis Flos</i> – Visual	Complies	Complies
Identification	A: DAB.2018 <i>Cannabis Flos</i> – Visual, amplified	Complies	Complies
	B: DAB.2018 <i>Cannabis Flos</i> – Visual, Microscopic;	Complies	Complies
	C: DAB.2018 <i>Cannabis Flos</i> – TLC; Ph. Eur. [2.2.27]	Positive	Positive
Assay	DAB Monograph “ <i>Cannabis Flowers</i> ”; HPLC-UV; Ph. Eur.- 2.2.29		
Total THC		27 ± 10% in db	29,2%
Total CBD		≤ 1,0% db	0,1%
Related Substances - CBN		≤ 1,0% db	0,02%
Loss on Drying (LOD)	DAB Monograph “ <i>Cannabis Flowers</i> ”; Ph. Eur. - 2.2.32	≤ 10%	8%
Foreign Matter	DAB Monograph “ <i>Cannabis Flowers</i> ”; Ph. Eur.- 2.8.2	≤ 2% w/w	0%
Total Ash	Ph. Eur. - 2.4.16	≤ 20% w/w	8%
Pesticides Residues	Ph. Eur. - 2.8.13	Complies	Complies
Heavy Metals As Cd Pb Hg Ni Zn	ICP-MS; Ph. Eur. - 2.4.27 and 2.2.58	Arsenic (As) ≤ 3,0 ppm	<0,020 ppm (LOQ)
		Cadmium (Cd) ≤ 1,0 ppm	<0,005 ppm (LOQ)
		Lead (Pb) ≤ 5,0 ppm	<0,020 ppm (LOQ)
		Mercury (Hg) ≤ 0,1 ppm	<0,050 ppm (LOQ)
		Nickel (Ni): Informative	<2,000 ppm (LOQ)
		Zinc (Zn): Informative	76,994 ppm

Test parameter	Method	Acceptance Criteria	Test Results
Mycotoxins			
Aflatoxin B ₁ Sum of Aflatoxins B ₁ , B ₂ , G ₁ , G ₂	Ph. Eur. - 2.8.18	≤ 2 µg/kg	<0,25 µg/kg (LOD)
		≤ 4 µg/kg	<0,5 µg/kg (LOQ)
Ochratoxin A	Ph. Eur. - 2.8.18	≤ 20 µg/kg	<2 µg/kg (LOD)
Microbiology			
TAMC	Ph. Eur. [2.6.31 + 5.1.8.c]	≤ 10 ⁵ CFU/g (Max. 500 000 CFU/g)	< 100 cfu/g
TYMC	Ph. Eur. [2.6.31 + 5.1.8.c]	≤ 10 ⁴ CFU/g (Max. 50 000 CFU/g)	< 10 cfu/g
<i>Bile tolerant gram-negative bacteria</i>	Ph. Eur. [2.6.31 + 5.1.8.c]	≤ 10 ⁴ CFU/g	< 10 cfu/g
<i>Salmonella spp</i>	Ph. Eur. [2.6.31 + 5.1.8.c]	Absent /25g	Absent/25g
<i>E. coli</i>	Ph. Eur. [2.6.31 + 5.1.8.c]	Absent /1g	Absent/g
<i>Pseudomonas aeruginosa</i>	Ph. Eur. [2.6.13] + 5.1.4 for inhalation	Absent /1g	Absent/g
<i>Staphylococcus aureus</i>	Ph. Eur. [2.6.13] + 5.1.4 for inhalation	Absent /1g	Absent/g

ND - Not detected | NMT – Not More Than | db – Dried Basis | w/w – weight / weight | CFU – Colony forming units
LOQ – Limit of Quantification | LOD – Limit of Detection

External Lab CoA:	LEF's CoA NO.: 23/2353, 24/2588, AND 24/3156
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ELABORATED BY QUALITY CONTROL	Name: <i>Elisabete Anacleto</i>	Signature: <i>EA</i>	DATE: <i>11/08/2024</i>
APPROVED BY QUALIFIED PERSON	Name:	Signature: Assinado por: João Carlos da Conceição Lopes Num. de Identificação: 08962904 Data: 2024.08.01 19:20:15+01'00'	DATE: