

Certificate of Analysis

Specification Version	10
Issue Date	13-Feb-2024
Customer Number	244404
Customer Name	SN Worldwide Unipessoal, Lda
Order Number	10748693
Customer PO Number	8009
Delivery No	11495137
Product Number	0085955
Product Name	Neuravena® (EFLA®955) - Wild green oat powder extract
Product Description	Avenae sat. Hba extr.s.sicc
Lot No	5892825
Production Date	18-Mar-2025
Release Date	28-Mar-2025
Best Before	17-Mar-2028

1.Description

Plant species	Avena sativa L. (selected variety Neuravena)
Plant material	aerial part (green)
Extraction medium	30 %(m/m) Ethanol
Drug Extract Ratio	3-4=1 (3.5=1)

2.Analytical Data

Parameter	Method/Monograph	Specification	Results	Unit
n.d. = not detectable n.t. = not tested				
Appearance	Visual	Light to dark brown powder	Conforms	
Water content KF	Ph.Eur. 2.5.12	≤ 5.0	3.0	% m/m
Bulk density	Ph.Eur. 2.9.34	0.3 - 0.8	0.6	g/ml
Mesh size	Ph.Eur. 2.9.12	100% < 0.7 mm	100% < 0.7	
Flavonoids (calc.as Isovitexin)	HPLC	≥ 0.30	0.48	% m/m
Residual solvent ethanol	Ph.Eur. 2.4.24	≤ 0.50	< 0.01	% m/m
Cadmium (Cd)	Ph.Eur. 2.4.27	≤ 1.00	< 0.05	mg/kg
Mercury (Hg)	Ph.Eur. 2.4.27	≤ 0.10	< 0.05	mg/kg
Lead (Pb)	Ph.Eur. 2.4.27	≤ 3.00	< 0.05	mg/kg
Arsenic (As)	Ph.Eur. 2.4.27	≤ 1.00	0.12	mg/kg
Benzo(a)pyrene	GPC/GC-MS	≤ 10.0	< 1.0	µg/kg
Sum PAH4	GPC/GC-MS	≤ 50.0	< 1.0	µg/kg
Aflatoxin B1	Ph.Eur. 2.8.18	≤ 2.0	< 0.4	µg/kg
Sum of aflatoxins (B1+B2+G1+G2)	Ph.Eur. 2.8.18	≤ 4.0	< 0.4	µg/kg
Pyrrolizidine alkaloids	HPLC	≤ 400.0	15.0	µg/kg
Microbiology assay				
Total aerobic microbial count (TAMC)	ISO 4833-1:2013	≤ 10 000	110	cfu/g
Yeast and moulds (TYMC)	ISO 21527-2:2008	≤ 100	< 10	cfu/g
Enterotoxigenic gram-neg. bacteria	ISO 21528-2:2004	≤ 100	< 10	cfu/g
Escherichia coli	ISO 16649-2:2001	n.d.	n.d.	cfu/g
Staphylococcus aureus	ISO 6888-2:2003-12	n.d.	n.d.	cfu/g
Salmonella	ISO 6579:2002	n.d.	n.d.	cfu/25g

Retest Results
* External Analysis

3.Composition

Product composition	Function	Quantity (% m/m)
Native extract		70

Maltodextrin	carrier	28
Silicon dioxide	anti-caking agent	2

4.Additional Information

Allergens	Oats according to annex II of the regulation (EU) No 1169/2011
Storage condition	Store in a well closed container, protected from light, moisture and air
Storage Temperature	15 - 30 °C
Shelf Life	36 months
Standard Packaging size	20 kg
Halal Status	Halal Certified
Kosher Status	Kosher Certificate available upon request Kosher OU: Yes
Comment	Pyrrolizidine alkaloids comply with Commission Regulation (EU) 2023/915 including their amendments and are analyzed according to a control plan.

Natural variations in the raw material may lead to color variations.
Pesticides residues are tested on the raw material and assessed according to EC 396/2005 and 149/2008 including their amendments.
Heavy metals, mycotoxins and polycyclic aromatic hydrocarbons comply with Commission Regulation (EU) 2023/915 including their amendments and are analyzed according to a control plan.
This product is not irradiated and is non-GMO according to EC 1829/2003 and EC 1830/2003.
This product contains no ingredients which might pose a BSE/TSE risk.

Please note that the raw materials & our products have been assessed for their safety and suitability of use in human food applications only, unless otherwise specified.

This certificate of analysis has been generated electronically and is valid without signature