

NOPALGEL *TECHNICAL SHEET*

Version N°	1.0
Replaces version no./ date	—
Publication date	22.11.2024

Section 1: Product and Manufacturer Identification

Trade name	NopalGel
Supplier/Distributor	Agrinsicilia Coop. Agricola e sociale A.r.l. Via Pacini Giovanni 6. 92027 Licata (AG) P.I. 03031180841
Product Type	Plant extract
Plant used	<i>Opuntia ficus indica</i>
Part Used	Newly formed cladodes

Section 2: Composition

Components	w/w %
OPUNTIA FICUS INDICA GEL (cladodes)	99,5
CITRIC ACID	0,2
SODIUM BENZOATE	0,2
POTASSIUM SORBATE	0,1

Section 3: Applications

Food Grade Ingredient

Section 4: Chemical, Physical, and Microbiological Properties

Physical state	Visco-elastic liquid
Color and appearance	Distinctive, Slightly opalescent
Smell	Characteristic
Water solubility	Fully soluble
pH values	3.8 –4.3
Bulk density	1 g/cm ³
Viscosity	<30 Cps at 5.0 pH
Boiling point	98-102 °C / 1 ATM
Inflammability	Non-flammable
Pathogenic	Absent
Pesticides	Conform to EC Reg. 848/2018
Total aflatoxins	Conform to EC Reg. 165/2010/Compliant to EC Reg. 165/2010
Heavy metals	Conform to EC Reg. 915/2023
Total polyphenols	19 ± 0.02 mg GAE g ⁻¹ dry weight
Total polysaccharide content	532 ± 0.33 mg eq xylose/g dry weight
Mineral composition	Mg Ca Na K Zn Mn Cu

Section 5: Recommendations

- Store in a cool, dry place away from heat and light.
- Due to the naturalness of the product, it is possible to form a slight laying on the bottom of the container.
- During the formulation phase, keep in mind that the product has an acidic pH.
- Increased pH promotes an increase in viscosity

Section 6: Declarations

- **Origin:** Product of vegetable origin in **certified organic farming**
- **Preferential origin:** The product originates from the European community (country: **Italy, Sicily**)
- **Residual solvents:** No solvents are used
- **GMOs:** The product does not contain and does not come from Genetically Modified Organisms, therefore it can be considered a *GMO Free product*
- **Animal testing:** The product has never been tested on animals
- **Dermatologically tested:** the product has passed patch tests

Given the naturalness of the product, it is possible to form a slight installation

Section 7: Shelf Life

The product can be stored for 12 (Twelve) months under the conditions set out in section 5 of this data sheet.