

TECHNICAL DATA SHEET

- ENERGINIUS -

DEFINITION

NaDES (Fructose/Glycerin/Water) extract of Withania somnifera root.

ORIGIN OF THE RAW MATERIALS

The product is manufactured from raw materials of strictly vegetable origin (except incidental ingredients).

DESCRIPTION

- INCI (PCPC) : Fructose (and) Glycerin (and) Water (and) Withania Somnifera Root Extract*
- *Ingredient from organic farming
- CAS : 57-48-7 / 56-81-5 / 7732-18-5 / 90147-43-6
- EINECS : 200-333-3 / 200-289-5 / 231-791-2 / 290-434-9
- Preservatives (max added value): Potassium sorbate 0.2 %, Citric acid 0.1 %.

REGULATORY INFORMATION

For information on the regulatory status of this product, please consult the regulatory data sheet (RDS).

NATURAL / ORGANIC LABEL

- Cosmetic ingredient certified 12.45% organic by ECOCERT® GREENLIFE according to COSMOS standard
This product is guaranteed to comply with NSF/ANSI 305-2012 by Quality Assurance International (QAI).
For additional information, please consult the product regulatory data sheet (RDS).

FIELD OF USE

This product is a cosmetic ingredient. It is recommended for use in cosmetic formulations (excluding oral hygiene products).

This ingredient must be used according to appropriate regulations. Gattefossé accepts no responsibility for the use of this product in applications other than those recommended.

USES

EnergiNius protects skin cells from screen-emitted artificial visible light. Strongly reinforced, the skin is visibly revived and the signs of fatigue disappear in favor of a healthy glow.
We recommend to use EnergiNius at 1% in facial care formulations.

STORAGE RECOMMENDATIONS

Store the product in its original packaging sealed tightly, protected from light and moisture.

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STORAGE RECOMMENDATIONS

Store at a temperature inferior or equal to 30 °C.

An opalescence/cloudy aspect/precipitate may occur during storage with no effect on the properties of the product.

Product should be re-analyzed after a 1.5-year storage period under recommended storage conditions.

HANDLING ADVICE

Presentation: liquid.

A small deposit is possible. Shake before use.

PACKAGING

Plastic can 5 kg (BPE).

Sample available upon request.

INFO ON THE COMPOSITION

Preservatives (max added value): Potassium sorbate 0.2 %, Citric acid 0.1 %.

SAFETY OF USE

For information on the toxicology and safety of this product, please consult the product toxicological file and material safety data sheet (MSDS).

SOLUBILITIES AT 20°C(Eur. Ph.)

- Water: very soluble
- Vegetable oils: practically insoluble
- Ethanol: very soluble

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Test	Specification
APPEARANCE	Amber to yellow limpid liquid
ODOUR	Medium intensity
REFRACTIVE INDEX AT 20°C	1.445 to 1.475
SPECIFIC GRAVITY AT 20°C (D20/4)	1.295 to 1.325
pH (50% in water v/v)	4.0 to 6.0
AMINO ACIDS CONTENT	>= 100 mg/kg
TOTAL AEROBIC GERMS	< 100/g
PATHOGENIC GERMS	Absence

The information contained in this data sheet is based on our knowledge of the related product on the date indicated, but does not amount to a guarantee in respect of the product's properties and does not give rise to any contractual legal tie. This information is given in utmost good faith. It cannot substitute for indispensable preliminary tests that must be conducted to ensure product suitability for each intended use. Nothing herein shall be construed as a recommendation or license to use any information that conflicts with any patent or trademark of our company or others. We make no representations or warranties, express or implied that any use of this information will not infringe any such patent or trademark. The user's attention is also drawn to the possible risks incurred if a product is used for a purpose other than its designed purpose. This data sheet does not under any circumstance replace knowledge and application by the user of all laws and regulations relevant to his own operations. The user shall be solely liable for the precautions taken relevant to the use made of the products. This information does not exempt the user from ensuring that he may possibly come under other obligations pursuant to laws or regulations other than those indicated relating to the possession and manipulation of the product for which he shall be solely liable.