

TECHNICAL DATA SHEET

- GATULINE AGE DEFENSE NP -

DEFINITION

Aqueous extract of Walnut seed (*Juglans regia*).

ORIGIN OF THE RAW MATERIALS

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

DESCRIPTION

- INCI (PCPC): Water (and) *Juglans Regia* (Walnut) Seed Extract
- CAS: 7732-18-5 / 84012-43-1
- EINECS: 231-791-2 / 281-688-1

REGULATORY INFORMATION

For information on the regulatory status of this product, please consult the 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

With a combination of scavenging and energizing molecules, Gatuline Age Defense NP protects the natural antioxidant pool. The skin is protected from external aggressions such as UV and pollution. The resistance towards chrono-aging is reinforced.

We recommend to use Gatuline Age Defense NP at 0.5-6% in skincare, bodycare and haircare products.

STORAGE RECOMMENDATIONS

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

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 2-year storage period under recommended storage conditions.

HANDLING ADVICE

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Presentation: liquid.
A small deposit is possible. Shake before use.

PACKAGING

Plastic can 5 kg (BPE).
Plastic can 25 kg (BPC).
Sample available upon request.

INFO ON THE COMPOSITION

- Polyphenols: derivative compounds of gallic acid, tannins, ellagic...
- Phytic acid
- Nitrogen matter including Amino acids: glutamic acid, arginine, proline, alanine...
- Mineral salts and oligo-elements: P, Mn, Zn, Si, Mg...
- Vitamins B group
- Preservatives (max added value): benzoic acid 0.5 %, sorbic acid 0.1%.
- Antioxidant (max added value): Sodium metabisulfite 0.2 %
- Stabilizing agent (max added value): Sodium EDTA 0.2%.

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: Soluble
- Mineral oils: Insoluble
- Vegetable oils: Insoluble

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Test	Specification
ASPECT	Clear to slightly cloudy yellow liquid
ODOUR	Low
pH (Pure product)	4.0 to 5.5
DRY MATTERS	28.0 to 40.0 g/l
TOTAL MINERAL MATTER	5.0 to 8.0 g/l
TOTAL NITROGEN CONTENT	0.30 to 1.00 g/l
TOTAL AEROBIC GERMS	< 100/g
PATHOGENIC GERMS	Absence
TOTAL POLYPHENOLS(exp. in gallic acid)	0.10 to 0.80 g/l
PHYTIC ACID CONTENT	1.0 to 3.0 g/l

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