

Product Information

Product Data Sheet

REGU®-AGE PF

Description

REGU®-AGE PF is an aqueous solution of specially purified soy and rice peptides and yeast-derived superoxide dismutase for cosmetic products.

Product identification

Product code: 50 3827 7

Composition

INCI name	Content	CAS No.	EINECS/ELINCS
Glycine Soja (Soybean) Protein	0.1-1%	9010-10-0	232-720-8
Hydrolyzed Rice Protein	5-10%	100209-45-8 156715-40-1	309-353-8
Superoxide Dismutase ¹⁾	0.1-1%	9054-89-1	232-943-0
Glycerin	10-25%	56-81-5	200-289-5
Aqua	>50%	7732-18-5	231-791-2
Phenoxyethanol ²⁾	0.1-1%	122-99-6	204-589-7
Sodium Benzoate ²⁾	0.1-1%	532-32-1	208-534-8
Potassium Sorbate ²⁾	<0.1%	24634-61-5	246-376-1
Sodium Dextran Sulfate	<0.1%	9011-18-1	none

¹⁾ contains traces of Tromethamine (<65 ppm)

²⁾ regulated as preservative in cosmetics in some countries, e.g. Europe, China, Japan

Specifications

Appearance:	yellowish to amber coloured, clear to turbid solution
pH:	5.3 - 6.3
Relative density d _{20/20} :	1.055 - 1.090
Refractive index n ₂₅ :	1.366 - 1.370
Identity by HPTLC:	characteristic chromatogram; corresponds to reference

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Collagenase inhibitory activity:	> 10 ColU ¹ / ml
Inhibitor activity:	> 5 EIU ² / ml
SOD activity:	> 1000 ORU ³ / ml
Total aerobic mesophile plate count:	< 100 CFU / ml
Specified microorganisms:	not detectable in one milliliter
Comments:	¹ ...ColU = Collagenase Inhibitor Unit
	² ...EIU = Elastase Inhibitor Unit
	³ ...ORU = Oxido Reductase Unit

Solubility

REGU®-AGE PF is soluble in water.

Stability and storage

REGU®-AGE PF may be stored for at least 24 months from the date of manufacture in the unopened original container protected from light in a clean and cool place at a temperature between 2 and 8 °C. Slight precipitations are possible during storage. Shake or stir well before use. The 'Best use before' date is printed on the label. Keep package tightly closed. Once opened, use contents quickly. In order to avoid secondary microbial contamination, following opening, containers should be handled with special care.

Uses

REGU®-AGE PF is a cosmetic ingredient for skin care products. REGU®-AGE PF should be processed below 40 °C and is incorporated into the aqueous phase of a cosmetic formulation. For skin care preparations, the addition of 2 to 5% REGU®-AGE PF is recommended. Basic Guide Formulations are available upon request.

Safety

This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

Legal notice

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

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Additional information

To find out more about our ingredients, please contact your nearest DSM Nutritional Products office.

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