

FORMULATION GUIDELINES

Greyverse™

PRODUCT DESCRIPTION: Greyverse™ is a biomimetic lipopeptide that reverses the hair-greying process to progressively recover natural hair color.

Appearance	Colorless and odorless liquid
Solubility	Water-dispersible
Recommended dosage	<ul style="list-style-type: none">Preventive care: 0.5% - 1.0%Intensive treatment: up to 2%
Addition in formula	Can be incorporated in cold or hot process (up to 6h at 80°C or 2h at 90°C)
Recommended pH	4.0 - 8.0 Outside this range, risk of peptide precipitation
Compatibilities / Incompatibilities	<ul style="list-style-type: none">Compatible with :<ul style="list-style-type: none">Surfactants such as sulfates and betainesConditioners such as behentrimonium chloride, sodium PCA, or starchEthanol 96° up to 70% (maximum tested)Caffeine and salicylic acidLow solubility in pure water (recrystallization may occur, see “Formulation tips & tricks”). However, can be formulated into shampoos, aqueous gels, and emulsions.No known incompatibility with other cosmetic ingredients
Formulation tips & tricks	<ul style="list-style-type: none">Chemical nature of Greyverse™ (peptide): Avoid combination with sugars to prevent any possible Maillard reaction.Shampoos: Possible viscosity drop due to the glycerin contained in Greyverse™: increase the sodium chloride content or use a viscosity agent.Transparent products: Preferably add Greyverse™ in water at first to maximize its solubility.Hair dyes: Can't be used due to the overly alkaline pH of formulas.

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