

FORMULATION GUIDELINES

Adipofill'in™

PRODUCT DESCRIPTION: Adipofill'in™ is a L-Ornithine encapsulated in an Ionosome™ delivery system which provides a lipofilling-like action in order to reduce the appearance of structural aging and plump up the skin.

Appearance	Beige opaque liquid
Solubility	Water-soluble
Recommended dosage	0.5 - 2%
Addition in formula	Add below 40°C to avoid degradation of the Ionosome™
Recommended pH	4.5 - 6.0 At pH < 4.5, the stability of the Ionosome™ is not guaranteed. At pH > 6.0, a chlorine odor appears.
Compatibilities / Incompatibilities	No incompatibility observed
Formulation tips & tricks	<ul style="list-style-type: none"> • Must be formulated with ingredients compatible with electrolytes • Due to the chemical nature of Adipofill'in™ (amino acid), it is recommended to avoid association with sugars to prevent any possible Maillard reaction. • Due to the presence of L-Ornithin, ammonia/chlorinated odor can appear and increase over time. This can be neutralized applying following solution(s), combined or not: <ul style="list-style-type: none"> - Decrease in pH formula - Addition from 0.5% to 2% of odor absorbing agent (such as Zeolite), depending on the targeted level of odor neutralization - Addition of a buffer agent composed of a weak acid and its conjugate base with a pH corresponding to the final targeted pH of the formula

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