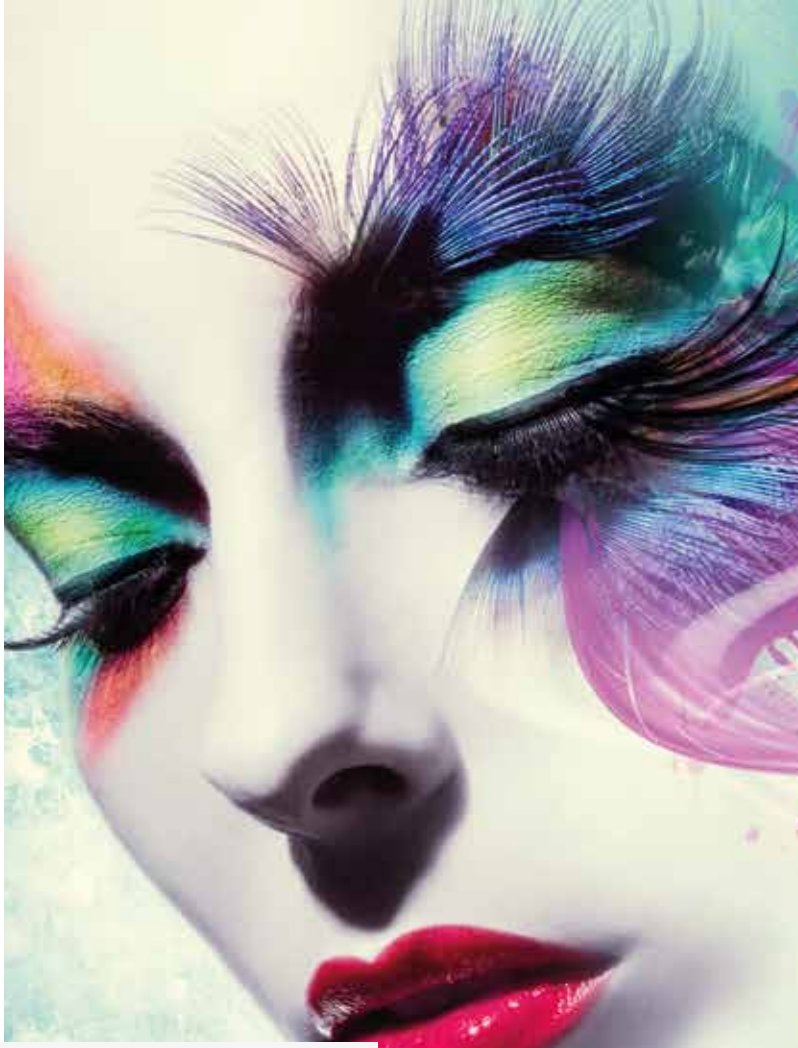
ROELMI·HPC
Health & Personal Care



TechnoHYAL HyaPearl

Formulation tips

Your ally for active color cosmetics

High-effective lipo-available HA for moisturizing make-up

Cutting-edge matrix technology combining Olive Glycerides and HA

Performing active for an optimal skin penetration

Quick efficacy, stable & resistant Vs. color cosmetics manufacturing process

Excellent skin feel, smooth and gliding effect

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HyaPearl Formulation tips

INCI (worldwide): C10-18 Triglycerides, Sodium Hyaluronate, Triolein, Glyceryl Dioleate

TechnoHYAL HyaPearl: specific benefist for active make-up

Sodium Hyaluronate is commonly used in skin care formulas due to its high affinity with water phase and hydrophilic behavior.

ROELMI HPC, expert in developing innovative functionalities for personal care ingredients, created TechnoHYAL HyaPearl: lipo-available Sodium Hyaluronate for make-up formulas.

A matrix of Olive Glycerides, from non-edible Olives fractions, creates a protective and delivery system for Sodium Hyaluronate. This performing technology offers optimal skin penetration (for further information, please refer to ingredient's *in-vitro* permeation dossier) and cosmetic benefits:

- ✔ Double benefits: hyluronans hydration and biomimetic capacity with the skin
- ✔ Better stability in formulation process
- ✔ Nice skin feel
- ✔ Moisturizing effect for unconventional formulas

TechnoHYAL HyaPearl: formulation process

LIPGLOSS

1. Melt all the oils and waxes of the finished product;

2. When the bulk is homogeneous add TechnoHYAL HyaPearl and let it completely disperse by stirring (temperature has to be approximately 55-60 °C).

Suggested dosage: 0.5 - 1.5%

Typical applications: protective formulas, moisturizing lipbalms & lipsticks, active make-up, dry & sensitive skins

In-vitro test: permeation test

In-vivo test: skin moisturization, skin plumping

LIPSTICK, LIPBALM, POURED MAKE-UP

1. Melt all the oils and waxes of the finished product;

2. When the last high fusion wax is added and its drop point is reached, heat until 10°C more than the melting point, so everything will be perfectly melted and start cooling down;

3. Before reaching the dropping point, add TechnoHYAL HyaPearl and let it completely disperse by stirring;

4. Cool down until 10°C more than the melting point of the lipstick (mix of all) and start casting in the mold.

By this way, the mix will become solid in the mold and the TechnoHYAL HyaPearl will be homogeneously dispersed.

The step of adding TechnoHYAL HyaPearl has to be done while cooling down, so the solidifying process will trap the HA in its net, with a homogenous dispersion and not different layers.

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