Import and distribution for Serbia: Farmadria DOO
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TECHNICAL DATA SHEET

Product Name: Pink Jojoba Pearls (20/40)

INCI name: Hydrogenated Jojoba Oil

CAS: 92457-12-0

Synonyms: Hydrogenated jojoba oil, jojoba wax beads, jojoba wax pearls, hydrogenated jojoba wax, jojoba exfoliating beads

Chemical classification: Hydrogenated vegetable wax (esters of long-chain fatty acids and fatty alcohols)

Functional category: Mechanical exfoliant, skin conditioning agent

Description: Hydrogenated jojoba oil in the form of pink beads is a solid, wax-like cosmetic raw material of plant origin obtained through controlled hydrogenation of jojoba oil. During this process, the liquid oil is converted into a stable solid form while maintaining chemical similarity with the natural lipids of the skin. The beads are spherical and uniform in particle size, ensuring controlled and gentle mechanical action without sharp edges that could irritate the skin. The pink color serves only an aesthetic and visual function and does not affect the safety or effectiveness of the ingredient. In cosmetic formulations, this ingredient is primarily used as a gentle mechanical exfoliant. During massage on the skin, the beads remove surface impurities and dead epidermal cells without disturbing the skin barrier. Unlike mineral or synthetic abrasives, hydrogenated jojoba beads do not fracture into sharp fragments but retain their spherical shape, making them suitable even for sensitive skin types. After rinsing, the skin remains smooth, soft and visually more even. In addition to their exfoliating effect, hydrogenated jojoba oil also acts as a skin conditioning agent. Its lipid structure contributes to a soft skin feel and helps reduce dryness that may occur after cleansing or exfoliation. Due to its compatibility with skin lipids, it does not clog pores and integrates well into formulations intended for facial and body care, including products designed for sensitive areas such as the skin around the eyes when used in appropriate particle size and concentration. This ingredient is stable across a wide temperature and pH range typical for cosmetic products and does not react with other formulation components. Due to its plant origin and favorable safety profile, it is frequently used in naturally oriented and dermatologically formulated products where a combination of

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effective yet gentle exfoliation and high comfort during use is required.

Physicochemical properties: The melting point of jojoba beads ranges between 67 and 71 °C, with an average value of about 70 °C. During formulation it is important to maintain the process temperature below 70 °C. In this way the beads retain their solid form and spherical structure. At properly controlled temperatures they remain stable and do not soften. No deformation occurs during production or during storage of the finished product. This thermal stability allows safe incorporation of the beads into emulsions and other cosmetic systems. It is recommended to add them during the cooling phase or at temperatures below the recommended limit. This ensures that the beads retain their exfoliating function and uniform performance in the finished formulation. The particle size of the beads is precisely controlled and represents one of the key characteristics of this ingredient. The beads are medium-sized and perfectly rounded, with a diameter approximately between 425 and 850 microns. Such granulometry allows the beads to be clearly felt on the skin without producing a harsh or aggressive effect. The exfoliation is even and predictable, without unpleasant sensations during massage. The combination of controlled particle size, spherical shape and wax-like structure makes these jojoba beads a reliable choice for scrubs, cleansing products and treatments intended for regular use.

Benefits:

- Gently remove dead skin cells without scratching the skin.
- Provide a uniform and controlled exfoliation effect.
- Smooth spherical surface reduces the risk of irritation.
- Suitable for regular use on the face and body.
- Do not clog pores and do not leave a heavy feeling on the skin.
- Improve skin smoothness and softness after rinsing.
- Maintain their structure during use, ensuring predictable performance.
- Stable color contributes to the attractive appearance of the product.
- Provide a pleasant massage experience without a harsh abrasive effect.

Recommended use: Jojoba beads are incorporated into formulations during the final stage of product manufacturing. They are added after the emulsion has formed, during the cooling phase, at temperatures below 70 °C in order to maintain their solid spherical structure.

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Before addition they should be evenly dispersed in the product base using gentle mixing to ensure uniform distribution without damaging the beads. In facial cleansing products and mild exfoliating formulations they are typically used at concentrations between 0.5% and 2%, where they provide a subtle and pleasant exfoliating effect suitable for regular use. In body scrubs higher concentrations are usually applied, typically between 2% and 5%, to achieve a stronger mechanical exfoliation effect. In shower gels, soaps and rinse-off products they are used in moderate concentrations, generally between 1% and 3%, depending on the desired exfoliation intensity. Due to their smooth surface and good skin tolerance, jojoba beads may also be used in formulations intended for sensitive areas such as the skin around the eyes when used at the lowest recommended concentrations. Proper selection of concentration and base formulation allows precise control of exfoliation intensity and enables the development of a stable, safe and pleasant product for the end user.
by the manufacturer.

Natural or synthetic ingredient: Hydrogenated jojoba oil is considered a natural cosmetic ingredient. The starting raw material is natural jojoba oil, while the ingredient itself is obtained through hydrogenation, a process that changes the physical state of the oil from liquid to solid without altering its fundamental lipid structure. For this reason it is regarded in scientific and regulatory contexts as a natural derivative with controlled and consistent properties.