Import and distribution for Serbia: Farmadria DOO
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# TECHNICAL DATA SHEET

**Product Name:** Arabic Gum

**INCI Name:** Acacia gum

**CAS:** 9000-01-5

**Chemical Classification:** Gums, Hydrophilic Colloids, and Derivatives

**Functional Category:** Emulsifier, Viscosity Modifier (thickener), Binding Agent, Emulsion Stabilizer

**Description:** Gum Arabic is a natural resin obtained from acacia trees, primarily from the species Acacia senegal and Acacia seyal. In cosmetic products, it acts as a natural thickener and stabilizer, enabling creams, lotions, and gels to retain their desired texture and extend shelf life. It forms a protective film on the skin that gives a smooth, slightly tightening feel, leaving the skin firm and refreshed while helping to reduce fine lines and wrinkles in anti-aging preparations. With a high polysaccharide content, Gum Arabic has a strong water-binding ability, allowing skin to stay hydrated and fresh all day. This humectant property is especially beneficial in products for dry and dehydrated skin, providing long-lasting hydration. In decorative cosmetics, Gum Arabic enhances product adhesion, prolonging makeup wear and is used as a natural binding agent in mascaras, eyeshadows, and lipsticks. Being a naturally derived ingredient, Gum Arabic is gentle on the skin, making it suitable for all skin types, including sensitive skin. It is eco-friendly, as it is sourced from renewable resources, often through processes that support local communities in regions where acacia is traditionally grown. The increasing use of Gum Arabic in cosmetics meets modern consumers' needs for natural ingredient-based products, making it an attractive choice for brands committed to sustainability and natural sourcing. It appears as a light yellow to white powder with no significant odor. Gum Arabic is water and alcohol-soluble but insoluble in organic solvents, forming a clear, viscous solution with a pH value between 4 and 5.

**Benefits:**

- Aids in blending and stabilizing oil-in-water ingredients in cosmetic formulations.
- Serves as a thickener, enhancing the texture of creams, lotions, and other

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cosmetics by improving consistency and stability.

• Acts as a "binder," helping ingredients stick together. Often used in powders to fix eyeshadows and blushes, providing shape and cohesion.

• When applied to the skin, the aqueous solution forms a thin film that offers a protective barrier, reduces water loss, and keeps skin hydrated.

• Has soothing properties and can help calm skin irritations.

• Naturally sourced, biodegradable, and eco-friendly.

• Gentle on the skin, suitable for various cosmetics, even for individuals with sensitive skin.

**Usage Instructions:** In skincare products like creams and lotions, Gum Arabic is added in concentrations from 1% to 5%, depending on the desired viscosity and formula stability. In color cosmetics such as liquid foundations and lip glosses, it can help achieve a smooth texture and improve adhesion, typically used in lower concentrations of about 0.5% to 2%. Due to its film-forming properties, it is often used in hair products, such as sprays and serums, where it aids in shaping and adding a light shine. Concentrations in such formulations may range from 1% to 3%. For external use only.

**Animal Testing:** Not tested on animals

**GMO:** Non-GMO

**Vegan:** Contains no animal-derived components