

TECHNICAL DATA SHEET

Product name: Acerola Cherry Extract 10:1

INCI name: Malpighia Glabra Fruit Extract 10:1

CAS: 50-81-7

Synonyms: Acerola, Barbados Cherry, Caribbean Cherry, Wild Crepe Myrtle, Guarani Cherry, Barbados Cherry, West Indian Cherry, Wild Crepe Myrtle

Product quality: The product is standardized to contain vitamin C. The Acerola fruit extract is concentrated at a 10:1 ratio, meaning the amount of plant material used to obtain the extract is ten times greater than the final extract amount. This ratio is used to emphasize the extract's strength and efficacy. It contains a minimum of 17% vitamin C.

Origin of raw material: China

Description: Malpighia Glabra is a shrubby plant from the Malpighiaceae family. It is native to southern Mexico, Central and South America. It is also cultivated in the subtropical regions of Asia and India. Acerola Cherry Extract is known for its very high vitamin C content. Additionally, it contains vitamins A, B1, B2, and B3, as well as carotenoids and bioflavonoids. The powder is light pink in color, water-soluble.

Benefits:

- **Antioxidant protection:** Vitamin C is known for its strong antioxidant properties. It protects the skin from damage caused by free radicals. Such damage can occur due to exposure to sunlight, pollution, and other environmental factors, leading to premature aging of the skin. Acerola, as a rich source of vitamin C, provides a high level of protection, helping to preserve the health and vitality of the skin. In addition to vitamin C, Acerola cherry also contains other antioxidants such as anthocyanins, quercetin, and flavonoids, which help protect the skin from environmental stressors such as pollution and UV radiation. This antioxidant protection can help prevent premature aging and maintain healthy skin.

- **Stimulates collagen production:** Vitamin C is essential for collagen synthesis, the protein responsible for the firmness and elasticity of the skin. By increasing collagen

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production, Acerola helps reduce fine lines and wrinkles, making the skin smooth and firm.

- **Reduces pigmentation:** Vitamin C affects the reduction of melanin production, the pigment responsible for skin color. This can help reduce dark spots, hyperpigmentation, and uneven skin tone, resulting in a lighter and more even skin color.

- **Improves skin health:** Vitamin C helps preserve healthy skin by improving its ability to defend against bacterial and viral infections. It can reduce redness and inflammation, making it useful for conditions such as acne and rosacea.

- **Skin hydration:** Although vitamin C itself is not a moisturizing substance, its role in strengthening the skin barrier can help retain moisture within the skin, keeping it hydrated and healthy.

Usage: Used in the manufacture of water-glycerin extracts, glycerites, tinctures, and other cosmetic semi-products. Recommended concentrations range from 5-10%.

Storage/shelf life: Stable when stored in a dry and cool place. Shelf life of 2 years.

Animal testing: The substance has not been tested on animals.

GMO: Non-GMO

Vegan: Does not contain components of animal origin.

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