



杭州联正化工有限公司

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Technical Data Sheet

Alpha-Arbutin

Description: Alpha-Arbutin (4-Hydroxyphenyl- β -D-glucopyranoside) is a pure, water soluble, biosynthetic active ingredient. Arbutin appears to have fewer side effects than hydroquinone at similar concentrations - presumably due to the more gradual release. It is the more effective, faster and safer approach to promoting skin-brightening and an even skin tone on all skin types. Alpha-Arbutin also minimizes liver spots and meets all the requirements of a modern skin-brightening and skin depigmentation product.

Specification:

Appearance	White or off-white powder
pH Value	5.0-7.0
Melting point	202°C-210°C
Specific optical rotation[α] _D ²⁰	+174° ~ +186°
Loss on drying	≤1.0%
State of solution (Transmittance)	≥95.0%
Heavy metals	≤10ppm
Arsenic	≤2ppm
Residue on ignition	≤0.5%
Assay	≥99.5%

Application: Alpha-Arbutin is water soluble and easily incorporated into the water phase of cosmetic formulations. It is stable against hydrolysis as tested in the pH range from 3.5 - 6.6. Suggested concentration: 0.2% when formulated with an exfoliant or penetration enhancer, otherwise up to 2%.

Recommended Dosage: 0.2 - 2%

Solubility: Soluble in warm or cold water

Storage: Protected from light and humidity in a clean place at room temperature. Once open, handle with care to avoid secondary microbial contamination.

Packing: 25kg /drum, or 20kgs/ carton inside with 1kg/bag

Country of Origin: China

Shelf Life: 2 years

This product should be added to a formulation at the recommended usage rate. This is a cosmetic product intended for use on the skin only.