

PRODUCT NAMEAC- α -Arbutin

Bonanzatech Co., Ltd.

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DESCRIPTION

AC- α -Arbutin is a new type of active compound for beautifying and whitening the skin. It can be rapidly absorbed into the skin and selectively inhibit the activity of tyrosinase. It is a pure, water soluble, biosynthetic active ingredient used in most advanced whitening skin care products.

PRODUCT IDENTIFICATION

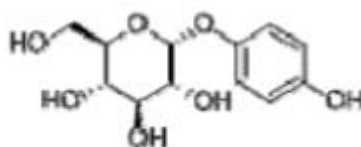
Synonyms: 4-Hydroquinone-alpha-D-glucopyranoside

CAS No.: 84380-01-8

EINECS No.: 440-470-8

INCI name: Alpha-Arbutin

Chemical Structure

Chemical Formula: C₁₂H₁₆O₇ Molecular Weight: 272.25**SPECIFICATION**

ITEMS	SPECIFICATION
Appearance	White powder
Assay	≥ 99.0%
Melting point	203.0-206 ± 1 °C
Clarity of solution	transparency, colorless, non suspended matters
pH	5.0-7.0
Specific rotation	+174.0° ~ +186.0°
Loss on drying	≤ 1.0%
Residue on ignition	≤ 0.5%
Hydroquinone	≤ 10ppm
Heavy metals	≤ 10ppm

Total bacterial count	<1000cfu/g
Molds and Yeast	<100cfu/g

STORAGE AND STABILITY

The product may be stored for 24 months from the date of manufacture in the unopened original container and at room temperature.

It should be protected from light, heat, oxygen and moisture. Keep container tightly closed. Once opened, use contents quickly.

APPLICATION

AC- α -Arbutin is free from hydroquinone and it becomes an ideal ingredient in functional lightening cosmetics without toxicity, stimulation and unpleasant odor. It can effectively restrain the melanogenesis. It should be used at condition of pH 5.0-7.0.

ATTENTIONS

- ◇ Pre-dissolve in water, add to cream in about 50°C
- ◇ Suggested Adding NaHSO₃, Na₂SO₃ (0.01-0.4%) to cream

DOSAGE

1.0-7.0%