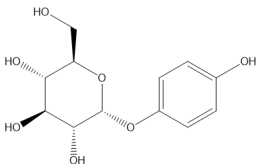


Product Details

Trade Name	α -Arbutin
Chemical Name	4-Hydroxyphenyl- α -D-glucopyranoside
INCI Name	ALPHA-ARBUTIN
CAS Number	84380-01-8
EINECS Number	617-561-8
Molecular Weight	272.25
Molecular Formula	C ₁₂ H ₁₆ O ₇
Structural Formula	

Characteristics

α -Arbutin plays an important role in the cosmetics, personal care, and pharmaceutical fields, primarily owing to its excellent stability, water solubility, tyrosinase inhibitory activity, and mild safety profile.

Technical Specifications

No.	Parameter	Specification	
		LSL	USL
1.	Appearance / Properties	Solid powder	
2.	Odor	Odorless	
3.	Vapor Pressure	0.0±1.6 mmHg at 25°C	
4.	Color (Visual)	White	
5.	pH (1% aqueous dispersion) at 25 °C	No data available	
6.	Melting Point Range, °C	201 °C	

Applications

- In cosmetics: used as an active ingredient for skin brightening, dark-spot fading, and complexion brightening
- In pharmaceuticals: used as an intermediate and skin-conditioning raw material
- In personal-care skincare products: used as a hyperpigmentation-correcting agent

Product Efficacy

- Excellent skin-brightening, complexion-brightening, and dark-spot-fading efficacy
- Good solubility and formulation compatibility
- Chemically stable
- Mild action with low irritation potential
- High safety profile
- Excellent compatibility with various skincare active ingredients in formulation

Packaging: Available in 25 kg and 200 kg specifications. Packaging materials comprise aluminum foil bags with fiber drums / light-proof HDPE drums (sealed, light-protected, moisture-proof).

Handling and Storage

Handling Environment: Handle α -Arbutin in a well-ventilated area. Fume hoods, exhaust fans, or similar equipment may be used to promptly remove any potentially volatile vapors, reduce its airborne concentration, and prevent personnel inhalation. When handling large quantities indoors, ensure the space is spacious with unobstructed air circulation.

Storage Conditions: Store in a cool, well-ventilated warehouse. The storage temperature should not exceed 25 °C. Keep away from ignition sources and heat to prevent an increase in α -Arbutin vapor concentration due to heat exposure, which could lead to safety hazards. Maintain a dry environment and avoid humidity to prevent packaging rust and corrosion that could compromise product quality.