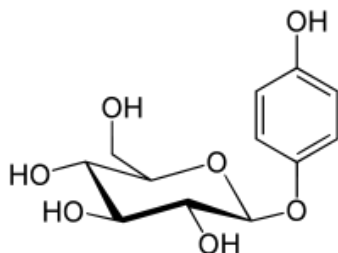


# Technical Data Sheet

## SinoWhite ABT

(beta) Arbutin

CAS# 497-76-7



Mol. wt. 272.25

Formula C<sub>12</sub>H<sub>16</sub>O<sub>2</sub>

### Feature

- Skin Whitening
- Anti-Oxidant
- UV Protection

### Description

SinoWhite ABT is beta form Arbutin and has superior efficacy in UV protection whitening and anti-oxidant. And its advanced biotechnology provides excellent stability. It inhibits the activity of tyrosinase and also prevents the formation of melanin.

### Specifications

Item	Specification
Appearance	White crystalline powder
Assay (%)	Min. 99.5
Melting point (°C)	198.5 ~ 201.5
Clarity of water solution	Transparency, colorless, Non suspended matters
pH (1% aq. Soln.)	5.00 ~ 7.00
Specific optical rotation (°)	$[\alpha]_D^{20} = -66 \pm 2$
Hydroquinone (ppm)	Max. 10
Heavy metal (ppm)	Max. 10
Arsenic (ppm)	Max. 2
Loss on drying (%)	Max. 0.5
Residue on ignition (%)	Max. 0.5
Bacteria Pathogen (CFU/g)	Max. 300
Fungus Pathogen (CFU/g)	Max. 100

### Applications

Due to its properties, such as skin whitening & anti-oxidant, SinoWhite ABT is applied to skin care cosmetics and also can be used in soap products.

## Storage

Spill/Leaks vacuum or sweep up material and place into a suitable disposal container. Keep container tightly closed. Store in cool and well ventilated storehouse. Store protected from heat, oxidizer and food additive.

## Shelf life

2 years