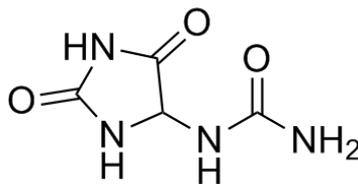


# Technical Data Sheet

## SFG Allantoin

Allantoin

CAS# 97-59-6



Mol. wt. 158.12

Formula C<sub>4</sub>H<sub>6</sub>N<sub>4</sub>O<sub>3</sub>

### Description

A moisturizing and keratolytic effect, increasing the water content of the extracellular matrix and enhancing the desquamation of upper layers of dead skin cells, increasing the smoothness of the skin; promoting cell proliferation and wound healing; and a soothing, anti-irritant, and skin protectant effect by forming complexes with irritant and sensitizing agents.

### Specifications USP36

Item	Specification
Appearance	white crystalline powder
Odor	Characteristically mild
Assay (%)	98.5 ~ 101.0
Identification	Meets the requirements
Specification (°)	-0.10 ~ +0.10
Acidity or Alkalinity	Meets the requirements
Melting Point (oC)	220.0 ~ 240.0
pH	4.0 ~ 6.0
Loss on drying (%)	≤ 0.1
Residue on Ignition (%)	≤ 0.1
Heavy Metals (Pb, ppm)	≤ 10
Reducing Substances	Meets the requirements
Related Compounds (%)	≤ 0.5

### Solubility

Water	Solubility in water increases obviously with increasing temperature
Propylene glycol	Slightly Soluble
Ethanol and Glycerin	Very Slightly Soluble

## Applications

It is frequently present in toothpaste, mouthwash, and other oral hygiene products, in shampoos, lipsticks, anti-acne products, sun care products, and clarifying lotions, various cosmetic lotions and creams and other cosmetic and pharmaceutical products

## Storage

Store in sealed containers at cool & dry place.  
Protect from light, moisture and pest infestation.

**Shelf Life** 3 years