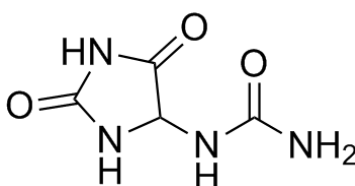


Technical Data Sheet

SFG Allantoin

Allantoin
CAS# 97-59-6



Mol. wt. 158.12
Formula C₄H₆N₄O₃

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