

Technical Data Sheet

SFG ZnO Pharm-AS

Zinc Oxide (and) Triethoxycaprylylsilane
 CAS# 1314-13-2 (and) 2943-75-1

Description

SFG ZnO Pharm-AS is alkyl silane treated non-nano sized (240-310nm) Zinc Oxide which is made of extremely pure Zinc ingot (99.99% up) the one & only product with GMP in Asia. Basically it shows various functions and advantages such as UV blocking, protection of skin damage and very safe to human body, etc. And it has excellent water repellency, and easy to disperse, etc. Based on its high quality and beneficial functions, it is widely used in pharmaceutical, cosmetics and dietary supplements, etc.



Features

Triethoxycaprylylsilane treatment gives water repellent properties to powder

- Superior sunblock (UV-B : 290-320nm & UV-A : 320-400nm) agent.
- Easy to disperse.
- Good water repellency.
- Very safe to human body

Specifications

Item	Specification
Appearance	White powder
Particle Size (nm)	240 ~ 310
Composition	
- Zinc Oxide	97.0 ± 0.5
- Triethoxycaprylylsilane	3.0 ± 0.5
Loss on Drying (%)	≤ 2.0
Heavy Metals	
Pb (ppm)	≤ 30
As (ppm)	≤ 4
Fe (ppm)	≤ 10

Applications

Pharmaceutical

- Ointment to treat minor skin irritations like cuts, burns and rash
- Medication for Zinc deficiency
- Plasters for wound care, pain release, to protect skin damage

Cosmetics

- Applied in sunscreen products with UV blocking function
- Cream for reliving skin irritation, etc.

Food Supplement

- Used as Zinc source of nutritional supplements

Storage

Protect from sunlight. Store in a well-ventilated place. Store in a closed container.