

# Technical Data Sheet

## SFG ZnO Pharm-AS

Zinc Oxide (and) Triethoxycaprylsilane  
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

Triethoxycaprylsilane 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
- Triethoxycaprylsilane	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.