

TECHNICAL DATA SHEET

SpecKare® PO (Piroctone Olamine)

Product No.: 170012

Introduction:

SpecKare® PO is soluble in ethanol, slightly soluble in water, which is safe, non-toxic and non-irritating. It can destroy the fungus infection that is responsible for the dandruff and work against the formation of new dandruff, make the scalp stays clean, itch free and prevent the formation of new dandruff. It also can eliminate unpleasant odor effectively, decrease the sebum output at the skin surface. It has wide-spectrum of anti-bacteria and anti-fungi properties, and has an obvious action of increasing the shampoo viscosity of the salt thickening system. Therefore, SpecKare® PO can be used in anti-dandruff shampoo, hair keep and hair care, soap and other products.

Composition:

INCI Name: Piroctone Olamine

CAS No.: 68890-66-4

EC No.: 272-574-2

Specification:

Items	Specification
Appearance	White crystalline powder
Odor	Characteristic
Solubility	Water (0.10g+10mL): non-soluble Methanol (1.00g+10mL): soluble
Purity (HPLC)	≥99.0%
pH(1% in water, 20°C)	8.5-10.0
Melting point	130-135°C
Loss on drying	≤0.3%

Ash (SO ₄)	≤0.2%
Particle size distribution	100 mesh
E 1% (1 cm) at 317 nm expressed on dried substance	204-236
Ethanolamine	20.0-21.0%
Nitrosamine content (PPb)	≤50
Diethanolamine	Not Detected
Heavy metals	
Pb	≤10 ppm
As	≤2 ppm
Cd	≤5 ppm
Hg	≤1 ppm
Co, Cr, Ni, Sb	Not Detected
Hexane (GC)	Not Detected
Ethyl acetate(GC)	≤3000 ppm
Total plate count	≤1000 cfu/g
Yeast & mould	≤100 cfu/g

Application:

Anti-dandruff, Anti-pruritic, Anti-microbial and etc.

Dosage:

0.05-1.0%

Storage:

Store at room temperature. Keep container tightly closed in a dry and well-ventilated place. The container is free of nitrite.

Shelf life:

3 years

Package:

1kg/bottle & 5kg/bottle & 25kg/carton box

Issued by: *Lilia* Issued Date: Jul.08, 2021