



Piroctone Olamine

Technical Data Sheet V.1.0

Product: Piroctone Olamine (PO)

Chemical name: 1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2(1H)-pyridone;
combination with 2-aminoethanol

CAS NO.: 68890-66-4

EINECS: 272-574-2

Characteristics: It is known for its bacteriostatic and fungistatic properties specifically working against *Pityrosporum ovale*, which lives on the skin and is associated with dandruff and other manifestations of flaking on the face and scalp. Piroctone Olamine also reduced sebum production.

Specification

Appearance	White or slightly yellow crystalline powder
Odor	Characteristic
Solubility	Water (0.10g + 10ml): non-soluble Methanol (1.00g + 10ml): soluble
Purity(HPLC) %	≥99.0
PH value(1% aqueous suspension, 20°C)	8.5-10.0
Melting Point °C	130-135
Drying loss %	≤0.3
Ash(SO ₄) %	≤0.2
Particle size distribution	D(0.5): 30-50um Provide a profile representative of the raw material
E1% (1cm) at 317 nm expressed as dried substance	214-236
Ethanolamine %	20.0-21.0
Nitrosamine content PPB	≤50
Heavy metals(Pb, As, Cd, Co, Cr, Hg, Ni, Sb) PPM	≤10
Hexane(GC) PPM	≤300
Ethyl acetate(GC) PPM	≤5000

Application: Antidandruff agent, preservative, thickening and agent for elimination of body offensive smell. The recommended amount of P.O.: "Wash-Free" Product: 0.05-0.01%; "Wash-Off" Product: 0.3-0.4%.

Storage: If stored correctly in its original container piroctone olamine can be kept for at least two years.

Package: 1kg / aluminum foil bag or 25kg / drum.