



Technical Data sheet

PERMETRINA (pharma grade)		
DESCRIPTION DCI: PERMETHRIN		DESCRIPTION DOE: PERMETRINA
CAS Nº: 52645-53-1	EC Nº: 258-067-9	AEMPS CODE: 2647A
MOL. WEIGHT: 391,3	MOL. FORMULA:: C ₂₁ H ₂₀ Cl ₂ O ₃	ARTICLE CODE: 1431

ATTRIBUTES	SHOULD BE
Appearance	Yellow brownish colour liquid which may solidify on standing or at lower temperature
Solubility	Soluble in alcohol, acetone, ether and hydrocarbons (toluene)
Identification A	Complies
Identification B	Complies
Assay	98.0 - 102.0 %
Cis Isomer	23.0 - 27.0 %
Loss on drying	=< 2.0 %
Sulfated ash	=< 0.2 %
Related substances	
MPB Alcohol	=< 0.15 %
MPB Aldehyde	=< 0.15 %
DV Acid Esther	=< 0.15 %
Unspecified impurities	=< 0.30 %
Total of impurities	=< 2.0 %
Residual solvents	
Toluene	=< 890 ppm
Benzene	=< 2 ppm

COMPLIES WITH

Manufacturer Specifications

STORAGE

Keep the container tightly closed. Store it in a dry and well-ventilated place.

REMARKS

Permethrin is subjected to the requirements of the ICH Q3D "Elemental Impurities" guideline.

Certificates of residual solvents, allergens, non-GMO and BSE-TSE are available upon request.

Properties and uses

Permethrin is an insecticide and antiparasitic pyrethroid type, which acts on the nerve cells of insects causing rapid paralysis and death of them. It is the treatment of choice for infestations by *Sarcoptes scabiei* (mange), and *Pediculus humanus*, *Pediculus capitis*, and *Pediculus pubis* (lice). With just one application, it kills both the lice and their nits. It is used in children older than 2 years, applying after washing the head with a shampoo and when the hair is already dry. It is also used in the *Demodex folliculorum* infestation of the eyes or the one that accompanies acne rosacea. It is also active against ticks, mites, fleas, mosquitoes, black flies in their stages of larva or adult, and against the tsetse fly.

Dosage

In the treatment of capillary pediculosis or as an insect repellent, it is used in 1% lotion or shampoo. The lotion is applied only once and if it persists the infestation is repeated a week. The shampoo is applied for 4 days and repeated once a week. As acaricide (scabicide) is used in 5% cream or ointment only once, and cream is removed by washing the area at 8-14 h. As a spray insect repellent at 0.5% spraying clothes in the prevention of tick bites, or at 2.5% impregnating tissues and mosquito nets for the prevention of mosquito bites in the prophylaxis of malaria. In the infestation by *Demodex folliculorum* of the eyes, in gel at 1-5%, which is applied on the edges of the eyelids with a cotton swab once a week.

Side effects

All methods are validated by the official pharmacopoeias and/or by the authorized manufacturer

A080.02.ENG



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Despite its low toxicity, can cause allergies, so you should avoid contact with mucous membranes, in which case should be washed immediately. May cause temporary increase in pruritus, edema and erythema, which accompanies the infestation, as well as producing contact dermatitis and allergic dermatitis.

Contraindications

Do not use in pregnancy and lactation.

Other observations

This product can FREEZE. If so, before use, heat it in a water bath (maximum 40°C) without the stopper and with all the necessary safety precautions.