

**PERMETHRINA 25:75 PHARMA GRADE (EUR. PH.)**

PRODUCT CODE: 1431	CAS Nº: 52645-53-1	ANALYSIS Nº: 101/24
MANUFACTURER BATCH: 244043005	CERTIFICATE ID: 41.839	
SUPPLIER BATCH: ----	MANUFACTURING DATE: 29/02/2024	
METAPH BATCH: 0130424	EXPIRY DATE: 31/01/2028	

ATTRIBUTES	SHOULD BE	IS
Appearance	Colourless or slightly brownish viscous liquid, semi-solid or crystalline solid	Slightly brownish viscous liquid, semi-solid
Solubility	Practically insoluble in water, very soluble in heptane, freely soluble in anhydrous ethanol, sparingly soluble in ethylene glycol	Complies (*)
Identification A	Complies	Complies
Identification B	Complies	Complies
Related substances		
Impurity B	=< 0.15 %	Not Detected
Impurity C	=< 0.15 %	< 0.05 %
Unspecified impurities	=< 0.10 %	< 0.05 %
Total impurities	=< 0.50 %	< 0.05 %
Water	=< 0.25 %	0.2 %
Sulfated ash	=< 0.1 %	< 0.1 %
Assay		
Total	98.0 - 102.0 %	99.0 %
cis Isomer	23.0 - 27.0 %	25.0 %
trans Isomer	73.0 - 77.0 %	75.0 %

COMPLIES WITH

European Pharmacopoeia 11.0

REMARKS

Permethrin 25:75 is subjected to the requirements of the ICH Q3D "Elemental Impurities" guideline and the requirements of guides EMA/CHMP/ICH/82260/2006 - ICH Q3C (R6) "Residual solvents".

(*) Data adapted from the manufacturer's certificate of analysis.

Absence of N-nitrosamines impurities has been ensured after a risk evaluation according to ICH Q9, ICH M7 and in accordance with guidelines EMA/428592/2019 Rev 2 and EMA/189634/2019.

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

All methods of analysis are validated by official pharmacopoeias or are validated by internal methods of the manufacturer, which can be obtained at specific request. The above information does not exempt from the obligation to identify the product before use.

STORAGE

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

Analysis date: 04/06/2024
Signature: Albert Sanchez Lopez (QP)
Conclusion: Complies
Original certificate available upon request

Manufacturer: 40000605