

PERMETHRINUM 25:75 50 g

Lot No.: 22L12-AP22116

Authorisation:	1890IR06122	Date Of Analysis:	23/11/2022
Analytical Reference:	Ph.Eur 11.0 (07/2015:1762)	Production Number:	141222-0130522
CNK:	3472-502	Expiry Date:	11/2026

ANALYTICAL TESTS

CHARACTERS	SPECIFICATION	RESULT
Appearance	Colourless or slightly brownish viscous liquid, semi-solid or crystalline solid.	Complies
IDENTIFICATION	SPECIFICATION	RESULT
Identification A	The spectrum complies with the spectrum obtained with permethrin 25:75 CRS	Complies
Identification B	The 2 principal peaks in the chromatogram obtained with the test solution are similar in retention time and in cis/trans ratio to the 2 principal peaks in the chromatogram obtained with the reference solution (cis/trans ratio = about 0.3).	Complies
TESTS	SPECIFICATION	RESULT
Related substances		
Impurity B	≤ 0.15%	0.06%
Impurity C	≤ 0.15%	0.05%
Unspecified impurities	≤ 0.10%	< 0.05%
Total	≤ 0.5%	0.11%
Water	≤ 0.25%	0.04%
Sulfated ash	≤ 0.1%	0.04%
ASSAY	SPECIFICATION	RESULT
Liquid chromatography		
Total	98.0% - 102.0% (anhydrous substance)	98.0%
Cis isomer	23.0% - 27.0% (anhydrous substance)	25.6%
Trans isomer	73.0% - 77.0% (anhydrous substance)	74.4%

CONCLUSION: COMPLIES

RESPONSIBLE PHARMACIST: