

Certificate Of Analysis

Product Name	Milbemycin oxime	Batch No.	2203061556
Sample Qty Base	500 KGS	Date of Production	2022.03.06
Analysis Date	2022.02.07	Expiry Date	2024.03.05
CAS NO	129496-10-2	Packing	25KG/ Drum
Item	Standard	Test Results	
Appearance	White or almost white or light yellow, amorphous powder	Complies	
Identification	A:IR spectrum of sample corresponds to that of reference substance B:The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay	Complies Complies	
Water	≤3.0%	1.4%	
Residue on ignition	≤0.5%	0.2%	
Assay	(Sum of Milbemycin A ₄ oxime and Milbemycin A ₃ oxime): 95.0%-102.0% on the anhydrous basis The ratio of Milbemycin A ₄ oxime: ≥0.75	100.1% 0.92	
Organic impurities	1,1'-Desmethy Milbemycin A ₄ oxime ≤0.5% (20'R)-Hydroxymibenmycin A ₄ keto form ≤0.5% Mibenmycin A ₄ keto form ≤0.7% Milbemycin D oxime ≤3.0% Any other individual impurities ≤0.5% Total impurities(excluding milbemycin D oxime) ≤3.5% Reporting threshold: 0.10%	0.05% 0.04% 0.3% 0.2% 0.3% 1.1%	
Residual Solvents	Trichloromethane ≤60ppm N-Heptane ≤5000ppm Ethanol ≤5000ppm	Not detected 8 ppm 39 ppm	
Storage	Preserve in a tightly closed container and protected from light	Complies	
Conclusion	The batch conforms to the USP standard		

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