



Certificate of Analysis

Product name	Milbemycin oxime	Manufacture date	Nov.09.2025
Batch number	FQ251109	Analysis date	Nov.10.2025
Batch quantity	800kg	Expiry date	Nov.09.2027

ANALYSIS	SPECIFICATION	RUSULT
Appearance	White or light yellow, amorphous powder	White powder
Identification A (IR)	The IR spectrum of the substance to be examined corresponds to the spectrum of Milbemycin Oxime RS.	Conforms
Identification B (HPLC)	The 2 principal peaks in the chromatogram obtained with the test solution are similar in retention time and size to the 2 principal peaks in the chromatogram obtained with reference solution (a).	Conforms
Residue on Ignition	≤0.2%	0.11%
Heavy metals	≤10ppm	<10ppm
Water	≤2.0%	1.3%
Related Substance	11'-Desmethyilmibemycin A4 oxime: Not more than 0.5%	0.05%
	(20'R)-Hydroxymilbemycin A4 keto form: Not more than 0.5%	0.01%
	Milbemycin A4 keto form: Not more than 0.7%	0.13%
	Milbemycin D oxime: Not more than 2.0%	0.14%
	Any other impurity: Not more than 0.20%	0.15%
	Total impurities: Not more than 3.5%	0.88%
Residual solvents	Methano: Not more than 3000ppm	10ppm
	Ethanol: Not more than 5000ppm	1468ppm
	Dichloromethan: Not more than 600ppm	8ppm
	n-Hexan: Not more than 290ppm	5ppm
	Chloroform: Not more than 60ppm	3ppm
	n-Heptan: Not more than 5000ppm	8ppm
	Aceton: Not more than 5000ppm	10ppm
Bioburden	Total Aerobic Bacteria:≤500 cfu/g	<2cfu/g
	Total combined yeast and Mold:≤100 cfu/g	<2cfu/g
	Escherichia coil:Should be absent	Absent
Assay	Milbemycin Oxime (A3+A4): 95.0% ~ 101.0%	100.2%

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store in cool & dry place not freeze., keep away from strong light and heat
Shelf life:	2 years when properly stored

Quality Assurance Officer: 李强

Corrector: 佟丽华

Analyst: 方琼

