

Certificate of Analysis for Doramectin (BHT)

Report No: K-20180625-001

File encoding: WL-QS-FP012-R02 (02)



Batch No: K180201		Mfg Date: 2018.02.01	Retest Date: 2020.01.31
Report Date: 2018.06.25		Batch Size: 45.49kg	Standard: WL-QS-FP012
Test Items	Specification		Result
Appearance	White or almost white crystalline powder		White crystalline powder
Clarity and color of solution	The solution is clear and not more intensely coloured than reference solution BY ₆		Comply
Identification	HPLC: The retention time of the major peak corresponds to that of the reference substance solution, as obtained in the Assay.		Comply
	IR spectrum of sample corresponds to that of reference.		Comply
Specific rotation (anhydrous substance)	+11°~+15°		+15°
Water	≤3.0%		1.8%
Sulfated ash	≤0.1%		0.06%
Heavy metals	≤20ppm		<20ppm
Related substances	Avermectin RRT=0.72	≤1.0%	0.25%
	Avermectin RRT=0.84	≤1.0%	0.66%
	Any single impurity	≤1.0%	0.50%
	Total impurities	≤5.0%	3.5%
Assay (anhydrous substance)	≥95.0%		96.1%
Residual solvents	Methanol	≤3000ppm	1225ppm
	Acetone	≤5000ppm	327ppm
	Ethanol	≤5000ppm	Not detected
BHT	≤0.2%		0.15%
Conclusion	The product complies with the in-house standards.		
Storage	Preserve in well-closed container at 2-8°C.		

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2018.06.25

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2018.06.25

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2018.06.25

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