



Certificate of Analysis for Selamectin (USP)

Report No: G-20180131-004

File encoding: WL-QS-FP011-R02 (02)

Batch No: G160501		Mfg Date: 2016.05.19		Retest Date: 2018.11.18	
Report Date: 2018.01.31		Batch Size: 16.12kg		Standard: WL-QS-FP011	
Test Items	Specification			Result	
Appearance	White or almost white , hygroscopic powder			White hygroscopic powder	
Identification	IR spectrum of sample corresponds to that of reference substance			Comply	
	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay			Comply	
Water	≤7.0%			2.1%	
Residue on ignition	≤0.1%			0.04%	
Heavy metals	≤20 ppm			<20ppm	
Related substance	Impurity A	≤2.0%		Not detected	
	Impurity B	≤2.0%		0.6%	
	Impurity C	≤1.5%		0.07%	
	Impurity D	≤1.5%		0.2%	
	Any other individual impurity	≤1.0%		0.3%	
	Total impurities	≤4.0%		2.2%	
	Disregard limit : 0.2%				
Assay (anhydrous and solvent-free basis)	96.0%~102.0%			98.7%	
Residual solvents	Methanol	≤3000ppm		2464ppm	
	Acetone	≤5000ppm		Not detected	
	Toluene	≤890ppm		263ppm	
	Methylene chloride	≤600ppm		Not detected	
	Dioxane	≤380ppm		Not detected	
Conclusion	The product complies with the specification (USP)				
Storage	Preserve in a tight container.				

Reported by/Date: Cao Ying
2018.01.31

QC manager/Date: Zheng Jian Huang
2018.01.31

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2018.01.31

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