



山东复就生物制造有限公司

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CERTIFICATE OF ANALYSIS

COA No.:0001

Product name: Tylosin Tartrate	Issuing Date: 2018 / 03 / 02
Batch No.:T1802027	MFG. Date: 2018 / 02 / 24
Packing size:25kg/drum	EXP. Date: 2021 / 02 / 23
Quantity:173 drums 4325kg / 3974.675 BOU	Workshop: 607

Reference: EP 9.3

Item		Specification	Result
Appearance		Almost white or slightly yellow powder	Slightly yellow powder
Solubility		Freely soluble in water, in ethanol (96%) and in methylene chloride, practically insoluble in heptane.	Conform
Identification		A. IR test: identified with Tylosin tartrate CRS.	Positive
		B. Reaction: a green colour is produced.	Positive
Appearance of solution		The solution is clear and not more intensely coloured than reference solution Y ₃	Clear, <y<sub>3</y<sub>
pH		5.0 ~ 7.2	6.0
Composition	Tylosin A	≥80.0%	92.9%
	Sum of tylosin A, B, C and D	≥95.0%	97.7%
Related substances	Impurity A	≤2.0%	0.93%
	Sum of impurities eluting between impurity A and Tylosin C	≤2.0%	0.44%
	Impurity N	≤1.0%	0.07%
	Impurity O	≤1.0%	0.07%
	Impurity E	≤0.5%	0.08%
	Impurity R	≤0.5%	0.06%
	Impurity S	≤0.5%	0.24%
	Any other impurity	≤0.50%	Not detected
	Total impurities	≤5.0%	2.3%
Tyramine		≤0.35%	<0.35%
Loss on drying		<4.5%	1.2%
Sulfated ash		≤2.5%	0.3%
Assay (dried	t-stal	Not less than 900 IU/mg	9301U/mg

Conclusion: The above results comply with EP9.3.

Remarks:-

Reporter: 桑草葉

Reviewer: To the Top

QC Manager: 丁庆军