

Lot: 0130121



山东鲁抗生物制造有限公司

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CERTIFICATE OF ANALYSIS

COA No.: 0029

Product name: Tylosin Tartrate	Issuing Date: 2020 / 10/21
Batch No.: T2010243	MFG Date: 2020/ 10/01
Packing size: 25kg/drum	EXP. Date: 2023 / 09/30
Quantity: 172drums 4300kg / 3947.400BOU	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. B. Reaction: a green colour is produced.	Positive Positive
Appearance of solution	The solution is clear and not more intensely coloured than reference solution Y ₃	Clear, <Y ₃
pH	5.0 ~ 7.2	5.6
Composition	Tylosin A	≥80.0%
	Sum of tylosin A, B, C and D	≥95.0%
	Impurity A	≤2.0%
	Sum of impurities eluting between impurity A and Tylosin C	≤2.0%
	Impurity N	≤1.0%
	Impurity O	≤1.0%
	Impurity E	≤0.5%
	Impurity R	≤0.5%
	Impurity S	≤0.5%
	Any other impurity	≤0.50%
Related substances	Any unspecified impurity	≤0.20%
	Total impurities	≤5.0%
	Tyramine	≤0.35%
	Loss on drying	≤4.5%
	Sulfated ash	≤2.5%
	Assay (dried basis)	Not less than 900 IU/mg
	Butyl acetate (in-house)	≤5000ppm
	Microbiology (in-house)	TAMC ≤ 1000 cfu/g
		TYMC ≤ 100 cfu/g
	Histamine	≤2ppm

Conclusion: The above results comply with EP9.3. ☒

Remarks: R0-CEP 2015-379-Rev 00

Reporter: 胡以刚

Reviewer: 王浩华

