



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,

Qianshan Road, Hefei 230022 China

Tel : (0086) 551 5418683

Fax: (0086) 551 5418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Certificate of Analysis

Product	Enrofloxacin base	Batch Number	TNJ2015090322
Packing	25.00kg/fiber drum	MFG Date	Mar.22, 2015
Analysis Date	Mar.22, 2015	Retest Date	Mar.21, 2018

Items	Specification	Results
Appearance	Slightly yellow or pale orange yellow crystalline powder,odorless,slightly bitter, the crystals gradually become orange -red under daylight.	Slightly yellow crystalline powder
Solubility	Freely soluble in chloroform ,sparing soluble in dimethyl-formamide,slightly soluble in methanol,and in sodium hydroxide TS,very slightly,soluble in water	Confirms
Melting point, °C	221.00~226.00	223.5°C
Identification	HPLC:the retetion time of the major peak of the sample solution corresponds to that of the standard solution	Confirms
Clarity of solution	IR: meets the references spectrum	Confirms
Color of solution	Clear (1g/20ml IN 0.5mol/L NaOH solution)not more intensely coloured than Y4 or GY4	Confirms
Fluoroquinolonic acid, %	≤ 0.20%	Confirms
Ciprofloxacin, %	≤ 0.50%	0.02%
Any other single impurity	≤ 0.30%	0.07%
Total impurities	≤ 0.70%	0.07%
Loss on Drying, %	≤ 0.50%	0.06%
Residue on Ignition, %	≤ 0.20%	0.01%
Heavy metals, ppm	≤ 20ppm	< 20ppm
Assay, % (on dry basis)	≥ 99.0% (Dried substance)	100.2%

Checker Xu Dong Re-checker Lu Xiaoping Approval Liu Wu

Conclusion The Quality of the above said is in conformity with Chinese Veterinary Pharmacopoeia 2010(I)
COA Issuer Quality Control Team-Technology Department



刘武