

## CERTIFICATE OF ANALYSIS

Chemical Name: <b>FLUNIXIN MEGLUMINE (USP37)</b>	PO No.: HP024929
Batch Number: TM160302	Invoice No.: AC160281
MFG Date: Mar.02.2016	Quantity: 100Kgs (4drums)
Expiry Date: Mar.01.2019	Package: 25kgs / Drum

Testing Items	Specifications	Results
Appearance	White to almost white, crystalline powder	Conforms
Solubility	Freely soluble in water and methanol, paractically insoluble in acetone	Conforms
Identification 1	Infrared absorption:197M;Ultraviolet absorption:197U	Conforms
Identification 2	Water: free soluble;Ethanol(96%):free soluble Ethyl acetate: practically insoluble	Conforms
Melting Point	137~140°C	137.5~138.5
PH	5%(W/V)water solution:7.0~9.0	8.2
Related Substances	2-chloropyridine-3carboxylic acid $\leq 0.2\%$	Undetected
	2-methyl-3-(trifluoromethyl)aniline $\leq 0.2\%$	Undetected
	Ethyl 2-chloropyridine-3-carboxylate $\leq 0.2\%$	Undetected
	Ethyl 2-[[2-methyl-3-(trifluoromethyl)Phenyl]amino]pyridine-3-carboxylate $\leq 0.2\%$	Undetected
Impurities	1. Single impurity: not more than 0.2%	Conforms
	2. Unknown impurity: not more than 0.2%	Conforms
	Total impurities(1~2): not more than 0.5%	Conforms
Specific optical rotation	-9.0° ~ -12.0°	-10.3°
Solvent residue	Isopropanol: not more than 0.5%	Conforms
	Ethanol: not more than 0.5%	Conforms
Bacterial endotoxins	Not more than 4.54 EU/mg	0.1 EU/mg
Loss on drying	$\leq 0.5\%$	0.2%
Sulphated ash	$\leq 0.1\%$	0.05%
Residue on ignition	$\leq 0.2\%$	0.1%
Colour of solution	Clear,less coloured than reference solution y6,b.p.(Vet)	Conforms
Clarification	1.2g funixin meglumine/8.8g water	transparent
Explanation	Micronisarion 200 $\pm$ 20um	
Assay (HPLC)	99.0~101.0%	99.64%
Conclusion	Comply with USP 37/EP7/BPV2012	

**Analysed: Ms. Hua**
**Checked by: Mr.Wu**

For and on behalf of  
**ANTIMEX CHEMICAL LIMITED**  
 安迪潤化工有限公司

  
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 Authorized Signature(s)