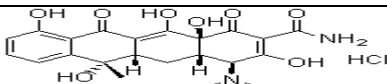




## CERTIFICATE OF ANALYSIS

NO: DYC051502111

Product name	Tetracycline Hydrochloride (USP35)
CAS Number	64-75-5
Molecule Structure	
Molecule Formula	C <sub>22</sub> H <sub>25</sub> C <sub>1</sub> N <sub>2</sub> O <sub>8</sub>
Batch number	20140915
Manuf. Date&Exp. Date	2014-09-15, 2016-09-14
Testing date	2014-09-19

Items	Standard	Result
Appearance	Light yellow crystalline powder	Complies
Identification	A:The retention time of the major peak in the chromatogram of the assay preparation corresponds to that in the chromatogram of the standard preparation, as obtained in the assay. B: Infrared absorption spectrum diagram meets the specifications C:UV absorption spectrum diagram meets the specifications. D:The solution color becomes yellow. E:Identification Tetracyclines F:Identification tests chloride meets the requirements	Complies Complies Complies Complies Complies
Specific optical rotation	-240° to -255°	-245°
Related substances	4-Epitetracycline:3.0% max 4-Epianhydrotetracycline:0.5% max Anhydrotetracycline: 0.5% max 2-Acetyl-2-decarbamoyletetracycline: 1.5% max	1.41% 0.01% 0.12% 0.43%
Residual solvents	Acetone: 100ppm max N-buanol: 3000ppm max	Complies Complies
Microbiological examination	TAMC: 1000cfu/g max TYMC: 100cfu/g max E. Coli: absence	1 cfu/g max 1 cfu/g max absence
Loss on drying	2.0% max	0.25%
PH	1.8-2.8	2.31
Heavy metals	50ppm max	Complies



HANGZHOU DINGYAN CHEM CO., LTD  
Tel:86-571-87157530 Fax:86-571-87156470  
Email:sales@dingyanchem.com

Assay	Not less than 900ug/mg	961 $\mu$ g/mg
Conclusion	The product conforms to standard of USP35	

QUALITY CONTROL: *Hangzhou Dingyan Chem Co., Ltd.*  
*Quality Control* *Lucy Tang*  
*Signature(s)*

CHECK: 姚仙娟

INSPECTOR: 刘清风