



XI'AN JUNYUAN BIO-TECH CO.,LTD

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Certificate of Analysis---Tetracycline hydrochloride

Product Name	Tetracycline hydrochloride	Batch No	YSSHS10401
Quantity	500KGS	Analysis Date	Sep.11th, 2020
Mfg. Date	Sep.11th, 2020	Exp. Date	Sep.11th, 2022
Package	25KG/Drum	Standard	USP

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 standar 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
Speific optical rotation	-240° to -255°	-245°
Related substances	4-Epitetracycline:3.0% max 4-Epainhydrotetracycline: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 examiation	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
Assay	Not less than 900ug/mg	961µg/mg
Conclusion	The product conforms to standard of usp35	

QC: MANAGER:NianChen

INSPECTOR:FeiDeng

ANALYST: XiLi