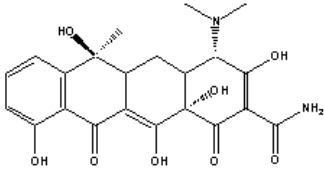




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CERTIFICATE OF ANALYSIS

NO: **DYC041606136**

Product name	Tetracycline
CAS Number	60-54-8
Molecule Structure	
Molecule Formula	C22H24N2O8
Batch number	20160614
Manufacture Date	2016-06-14
Testing date	2016-06-15

Items	Standard	Result
Appearance	Yellow crystalline powder	Yellow crystalline powder
Identification	A: Thin-layer chromatography B: Reaction in silver nitrate solution C: Developing colour reaction	Corresponds
PH	3.5~6.0	5.05
Specific optical rotation	-260° ~ -280°	-271°
Loss on drying	≤13.0%	8.22%
Heavy metals	≤50ppm	<40ppm
Sulphated ash	≤0.5%	0.21%
Related substances	4-Epi tetracycline ≤5.0% 4-Epi anhydro tetracycline ≤0.5% Anhydro tetracycline ≤1.0% 2-Acetyl-2-decarbamoyl tetracycline ≤2.0%	4.78% 0.01% 0.08% 0.36%
Assay	88.0~102.0%	92.3%
Microbiological examination	TAMC ≤100cfu/g TYMC ≤100cfu/g E.coli Absence	80cfu/g 90cfu/g Absence
Conclusion	The product conforms to standard of EP5	


QUALITY CONTROL: *Cristina* CHECK: 姚仙娟
Quality Control Signature(s)

INSPECTOR: 刘清风