

SPECIFICATION

Doxycycline Hyclate Standard
for High Performance Liquid Chromatography

REQUIREMENT	SPECIFICATION
Appearance	Yellow ~ dark yellow, crystals ~ powder
Solubility in water	to pass test
Specific rotation [α] _{D20} (c=1, 0.01mol/l HCl-CH ₃ OH) (calculated on the anhydrous basis and corrected by the amount of ethanol)	-105~-120°
Water	1.4~2.8%
Ethanol	4.3~6.0%
Assay (HPLC)	min.98.0%