

PRODUCT: DOXYCYCLINE HYCLATE

ITEMS	SPECIFICATIONS
CHARACTERISTICS	Yellow crystalline powder
IDENTIFICATION	<ul style="list-style-type: none"> a) HPLC b) Sulphuric acid reaction a yellow colour develops c) It gives reaction of chlorides
PH	2.0~3.0
SPECIFIC ABSORBANCE	At 349nm E (1%) 300-335
SPECIFIC OPTICAL ROTATION	-105° ~ -120°
HEAVY METALS	≤50 ppm
LIGHT-ABSORBING IMPURITIES	At 490nm ≤0.07
RELATED SUBSTANCES <ul style="list-style-type: none"> a) β – cpidoxycycline b) metacycline c) 4-cpidoxycycline d) 4-cpi-6-epidoxycycline e) Oxytetracycline f) 2-acety-2-decarbamoyleidoxycycline ADOT g) Any other impurity h) Not identified impurities 	<ul style="list-style-type: none"> ≤ 2.0% ≤2.0% ≤0.5% ≤0.5% ≤0.5% ≤0.5% ≤0.5% ≤0.1%
ETHANOL	4.3%~6.0%(m/m)
SULPHATED ASH	≤0.4%
WATER	1.4%~2.8%
ASSAY	95.0%~102.0% (C ₂₂ H ₂₅ ClN ₂ O ₈) Based on anhydrous, ethanol-free substance