



Technical Data Sheet

PRODUCT : OXYTETRACYCLINE HYDROCHLORIDE
MOLECULAR FORMULA : C₂₂H₂₄N₂O₉ HCL
CAS NO. : 2058-46-0
MOLECULAR WEIGHT : 496.89
STANDARD : BP2002/EP4

ITEMS	STANDARD
CHARACTERS	YELLOW CRYSTALLINE POWDER
IDENTIFICATION	IN ACCORDANCE WITH THE REQUIREMENT OF BP
PH	2.3 TO 2.9
SPECIFIC OPTICAL ROTATION	−188° TO −200°
ABSORBANCE	270 TO 290
LIGHT-ABSORBING IMPURITIES	430nm A ≤ 0.50
	490nm A ≤ 0.20
RELATED SUBSTANCES	COMPLIES WITH
HEAVY METALS	≤ 0.005%
WATER	≤ 2.0%
SULPHATED ASH	≤ 0.5%
ASSAY	95.0 TO 100.5% (BP)
	95.0 TO 102.0% (EP)
CONCLUSION: THE ABOVE-MENTIONED ITEM CONFORMS TO BP2002/EP4.	

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