



Molekula Limited
Lingfield Way
Darlington
County Durham
DL1 4XX
United Kingdom
+44 (0) 3302 000333
info@molekula.com

Specification

Technical Data Sheet

Product Name	Doxycycline hydrochloride
Product No	19948073
CAS Number	10592-13-9
Storage Temperature	2 to 8 °C
Molecular Weight	480.90
	Specification
Water	1.40%-2.80%
Heavy metals	<50ppm
Identification	Infrared Absorption
pH	2.0-3.0
Storage Temperature	+4 °C
Molecular Weight	480.9
Assay	95.0% ~ 102.0%
Sulphated Ash	<0.4%
Ethanol	4.3%-6.0%
Crystallinity	Meets the requirement
Appearance	Yellow crystalline powder
Conclusion:	USP35
Any Unspecified Impurity	< or = 0.1%
6-epidoxycycline	< or = 2.0%
Metacycline	< or = 2.0%
4-epidoxycycline	< or = 0.5%
4-epi-6-epidoxycycline	< or = 0.5%
oxytetracycline	< or = 0.5%
2-acety-2-decarbamoxydoxycycline	< or = 0.5%