

Specification

Technical Data Sheet

Product Name	Doxycycline hyclate
Product No	54888643
CAS Number	24390-14-5
Storage Temperature	2 to 8 °C
Molecular Weight	512.94
	Specification
Appearance	Yellow crystalline powder
Impurity A	β -doxycycline \leq 2.0%
Impurity B	Metocycline \leq 2.0%
Impurity C	4-epidoxycycline \leq 0.5%
Impurity D	4-epi-6-epidoxycycline \leq 0.5%
Loss on Drying	1.4 - 2.8%
pH	2.0 - 3.0

Specification

Specific rotation	-105° to -120°
Absorbency of impurity	≤ 0.07%
Absorptivity	300 - 335
Any other single impurity	≤ 0.5%
Assay	95.0 - 102.0%
Ethyl Alcohol	4.5 - 6.0%
Molekula Supplier ID reference	-
Residue on Ignition	≤ 0.4%
Impurity E	Oxytetracycline ≤ 0.5%
Impurity F	2-acety-2-decarbamoxydoxycycline ≤ 0.5%
