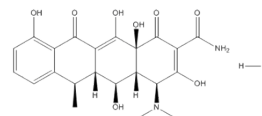


## Certificate Of Analysis

**Name:** Doxycycline hyclate  
**CAS No.:** 24390-14-5  
**Cat No.:** A817263  
**Batch No.:** D24072018  
**Mfg.Date:** 2018.07.24  
**Exp.Date:** 2020.07.23



Items	Specifications	Results
Appearance	Yellow crystalline powder	Conforms
Solubility	Freely soluble in methanol, slightly soluble in ethanol	Conforms
Specific rotation	-106°~-109°	-111°
PH	2.1~2.9	2.4
Relative substance	Methacycline≤2.0% 6-epidoxycycline≤2.0% Other individual impurities≤1.0% Total impurity≤4.0%	0.1% 1.8% 0.8% 2.7%
Absorbing	≤0.1 (490nm)	0.02
Ethanol	4.4~5.9%	5.2%
Water	1.6~2.9%	2.0%
Residue on ignition	≤0.2%	0.08%
Heavy metals	≤20ppm	<20ppm
Purity	Doxycycline88~94% Doxycycline Hyclate95%~102%	90.6% 98.2%
Conclusion	The product tested complies with the specifications.	

**Storage condition: Store in a tightly closed container in a cool and dry place.**

Checker:

*\*if you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)*