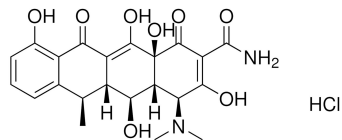


## Product Specification

**Product Name :** Doxycycline hyclate  
**Product Number:** D9891  
**CAS Number:** 24390-14-5  
**MDL Number :** MFCD07357237  
**Storage Temperature :** +2°C to +8°C  
**Molecular Formula:**  $C_{22}H_{24}N_2O_8 \cdot HCl \cdot 0.5H_2O \cdot 0.5C_2H_6O$   
**Formula Weight:** 512.94 g/mol



Test	Specification
Appearance (Color) Yellow to Yellow-Green	Conforms
Appearance (Form) Powder	Conforms
Identification (EP)	Conforms
Assay (EP) (anhydrous, Ethanol free based)	95.0 - 102.0 %
Water	≤ 5.0%
Purity (HPLC)	≥ 93.5%
Ethanol	4.3 - 6.0 %
Managed by	Expiration Date
Results Provided by Supplier	-----
Shelf Life Defined by Supplier	-----
Handled & Packed Under ISO9001	-----

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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