



**DC FINE  
CHEMICALS**

# Specification

**Formula Hill:**  $C_{38}H_{72}N_2O_{12} \cdot 2H_2O$   
**Molar Mass:** 785,02 g/mol  
**CAS N°:** 117772-70-0

**101420 Azithromycin dihydrate, USP**

	Specification
Assay (on anhydrous basis)	945 - 1030 µg/mg
Identity (HPLC)	conforms
Identity (IR)	conforms
Appearance	white or almost white powder
Crystallinity	conforms
pH	9,0 - 11,0
Solubility	conforms
Specific rotation	-45 - -49 °
Related substances USP	conforms
- Organic impurities, Procedure 2	conforms
Residue after ignition	≤ 0,3 %
Water	4,0 - 5,0 %

Conforms to USP specification