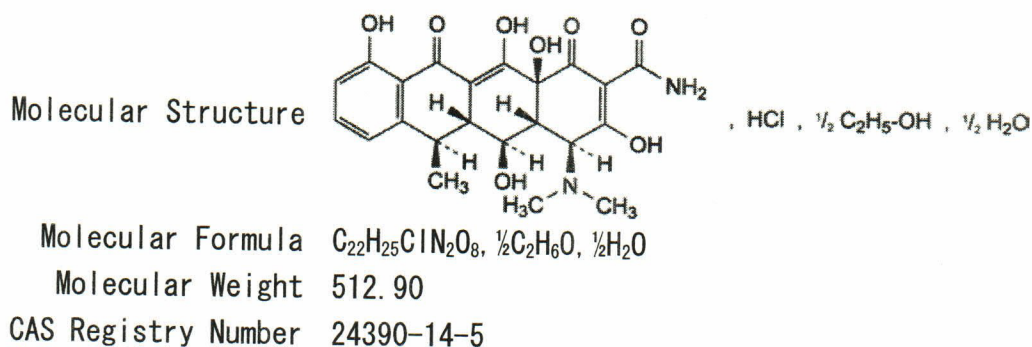


Batch no 251108-156
Mf date Nov 10 2025
Retest Nov 09 2029
Batch size 868.6 kg



Apr 03 2026

Tests	Specifications	Results
Appearance	Yellow crystalline powder	Conforms
Solubility	Freely soluble in water and in methanol, sparingly soluble in ethanol (96%). It dissolves in solutions of alkali hydroxides and carbonates	Conforms
Identification	HPLC, sulfuric acid & chloride tests	Positive
pH	2.0 ~ 3.0	2.5
Specific optical rotation	-105 ~ -120° (anhydrous & ethanol-free substance)	-115.3°
Specific absorbance	300 ~ 335 at 349nm (anhydrous & ethanol-free substance)	328
Light-absorbing impurities	At 490nm ≤ 0.07 (anhydrous & ethanol-free substance)	0.02
Related substances	6-Epidoxycycline ≤ 2.0%	0.5%
	Metacycline ≤ 2.0%	1.5%
	4-Epidoxycycline ≤ 0.5%	ND
	4,6-Epidoxycycline ≤ 0.5%	ND
	Oxytetracycline ≤ 0.5%	ND
	Impurity F ≤ 0.5%	0.3%
	Any other impurities ≤ 0.5%	0.2%
Ethanol	4.3 ~ 6.0%	5.5%
Heavy metals	≤ 50 ppm	< 50 ppm
Water	1.4 ~ 2.8%	2.2%
Sulfated ash	≤ 0.4%	0.1%
Assay	95.0 ~ 102.0% of C ₂₂ H ₂₅ ClN ₂ O ₈ (anhydrous & ethanol-free substance)	97.3%
Packing & storage	Store in a airtight container, protected from light	
Conclusion	Material complies with BP2014	