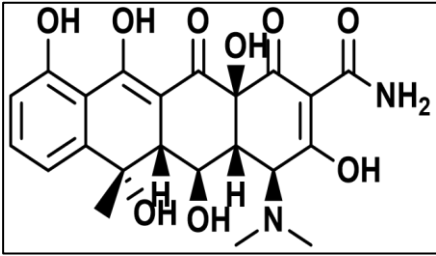


Analysis Date: 02-01-2026

Re-test Date: 01-01-2029

OXYTETRACYCLINE / DOXYCYCLINE EP IMPURITY E

Identification

Chemical Name	: (4S,4aR,5S,5aR,6S,12aS)-4-(dimethylamino)-3,5,6,10,11,12a-hexahydroxy-6-methyl-1,12-dioxo-1,4,4a,5,5a,6,12,12a-octahydrotetracene-2-carboxamide	
CAT No	: ALL-OXYT-1	
CAS No	: 79-57-2;6153-64-6 (Dihydrate)	
Molecular Formula	: C ₂₂ H ₂₄ N ₂ O ₉	
Molecular Weight	: 460.43	

Analytical Information

Batch No.	: ALL-OXYT-1	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.85 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.678 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.488 %		

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.678 + 0.488) \times 98.00] / 100 = 96.85 \%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office