

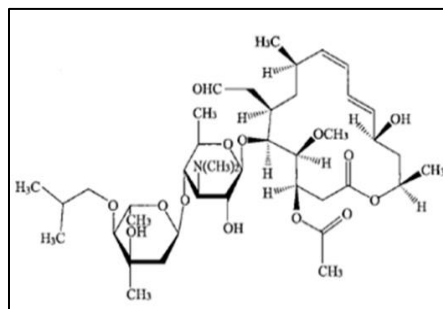
Analysis Date: 02-09-2025

Re-test Date: 02-09-2028

## JOSAMYCIN IMPURITY D

### Identification

<b>Chemical Name</b>	: (4R,5S,6S,7R,9R, 10Z, 12E, 14R, 16R)-4-(acetyloxy)-6-[[[3,6-dideoxy-4-O-[2,6-dideoxy-3-C-methyl-4-O-(3-methylbutyryl)-α-L-hexahexanopyranosyl]-3-(dimethylamino)-3-D-glucopyranosyl]oxy]-14-hydroxy-5-methoxy-9,16-dimethyl-7-(2-oxoethyl)oxahexadecan-10,12-dien-2-one (isoxamycin)
<b>CAT No</b>	: ALL-JOS09150
<b>CAS No</b>	: N.A.
<b>Molecular Formula</b>	: C <sub>42</sub> H <sub>69</sub> NO <sub>15</sub>
<b>Molecular Weight</b>	: 827.99



### Analytical Information

<b>Batch Code</b>	: ALL-JOS09150	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.36%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.791%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.874%		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.791 + 0.874) \times 98.00] / 100 = 96.36\%$$

**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