

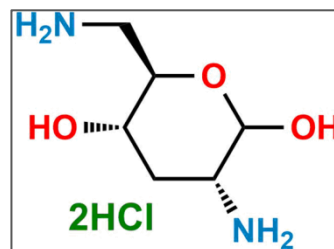
Analysis Date: 24-12-2025

Re-test Date: 24-12-2028

## TOBRAMYCIN IMPURITY 2

### Identification

<b>Chemical Name</b>	: (3R,5S,6R)-3-amino-6-(aminomethyl)tetrahydro-2H-pyran-2,5-diol dihydrochloride
<b>CAT No</b>	: ALL-T06013
<b>CAS No</b>	: N.A.
<b>Molecular Formula</b>	: C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub> : 2(HCl)
<b>Molecular Weight</b>	: 162.2 : 2(36.5)



### Analytical Information

<b>Batch No</b>	: ALL-T06013	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.63 %
<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>	: 0.475 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.914 %		

### Additional Information

%Potency = [100 - ( Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 = N.A

$$[100 - (0.475 + 0.914) \times 98.00]/100 = 96.63 \%$$

**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, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office