CERTIFICATE OF ANALYSIS

Date: 16-02-2026

Product Name	**Bleomycin Sulfate EP Impurity A**		
Chemical Name	2'-((3S,6R,7S,8S,11S)-1-(6-Amino-2-((S)-3-amino-1-((S)-2,3-diamino-3-oxopropyl)amino)-3-oxopropyl)-5-methylpyrimidin-4-yl)-3-((((2R,3S,4S,5S,6S)-3-(((2R,3S,4S,5R,6R)-4-(carbamoyloxy)-3,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-4,5-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)(1H-imidazol-4-yl)methyl)-7-hydroxy-11-((R)-1-hydroxyethyl)-6,8-dimethyl-1,4,9,12-tetraoxo-2,5,10,13-tetraazapentadecan-15-yl)-[2,4'-bithiazole]-4-carboxylic acid		
Structure			
Batch No.	-	**CAS No.**	NA
Analysis Date		**Retest Date**	2
Mol. Formula	$C_{32}H_{52}N_{16}O_{15}S_2$	**Molecular Wt.**	1313.3
Long term Storage Condition		Store at 2-8 °C in well closed container	
Handling and Transit Condition		25-30 °C in well closed container	

Test	**Result**
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%
Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.	

	Prepared By	**Checked By**	**Approved By**
Signature			
Date			

Sample COA

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