











CERTIFICATE OF ANALYSIS

Date: 31-10-2025

Product Name		N-Nitroso Ertapenem Impurity 2		
Chemical Name	(4R,5S,6S)-3-(((3S,5S)-5-((3-carboxyphenyl)carbamoyl)-1-((4R,5S,6 hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]ht-2-ene-2-carbox	[48,55,65]-3((35,55)-4)(G.5,C)(a-arboxypheny)(a-rbanny)1-1(48,55,65)-3((35,55)-5(13-arboxypheny)(a-rbanny)1-1(introsopyrrolidin-3-yi)thio)-6((R)-1-hydroxyethy)(-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-hydroxyethyl-4-methyl-7-oxo-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-azahicyclo[3,2,0]ht-2-ene-2-carbony)(pyprolidin-3-yi)thio)-6((R)-1-azah		
Structure	ray A			
Batch No.	-	CAS No.	NA	
Analysis Date	6	Retest Date	5	
Mol. Formula	$C_{44}H_{47}N_7O_{14}S_2$	Molecular Wt.	962	
Long term Storage Condition		Store at 2-8 °C in well closed container		
Handling and Transit Condition		25-30 °C in well closed container	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			