



ISO 9001:2015 CERTIFIED CERTIFICATE OF ANALYSIS

Product Name	Remdesivir Impurity 14	
Molecular Formula	C ₁₅ H ₂₄ NO ₅ P (Free Base) C ₁₅ H ₂₇ N ₂ O ₅ P (Ammonium Salt)	The chemical structure shows a central phosphorus atom (P) double-bonded to an oxygen atom (O) and single-bonded to three other oxygen atoms (O). One of these single-bonded oxygen atoms is part of a phenoxy group (a benzene ring attached to an oxygen atom). Another single-bonded oxygen atom is part of a hydroxyl group (OH). The third single-bonded oxygen atom is part of an ester linkage, connecting the phosphorus to a 2-ethylbutyl chain. The 2-ethylbutyl chain is shown as a four-carbon chain with an ethyl group (two carbons) attached to the second carbon. The nitrogen atom (N) is shown as a blue NH group, and the ammonium counterion is shown as a blue .NH₃ group.
Molecular Weight	329.33 (Free Base) 346.36 (Ammonium Salt)	
Batch Number	XX-XXXX	
Batch Quantity	XXX	
Date of Manufacturing	DD-MM-YYYY	
Date of Analysis	DD-MM-YYYY	
Next Retest Date	DD-MM-YYYY	
Catalogue Number	DCTI-C-001510	
CAS Number	NA	
COA Number	PA-XXXX	
IUPAC Name	2-ethylbutyl (hydroxy(phenoxy)phosphoryl)-L-alaninate, ammonia salt	
Storage and Handling	2°C to 8°C	

Sl. No	* Test	Result
	Description	
1.	Identification i) By IR ii) By NMR iii) By MS	--
2.	Chromatographic Purity (% by HPLC)	--

Remarks: *Test or tests as mentioned above may vary as per the product nature or customer's requirement

Function	Compiled by	Reviewed by	Reviewed by	Approved by
Name	xxx	xxx	xxx	xxx
Department	Pharma Standards QC	Pharma Standards QC	Quality Assurance	Quality Assurance
Sign and Date				

Attachments	IR, NMR, MS spectra, HPLC Chromatogram.
Date of Shipment	DD-MMM-YYYY

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