

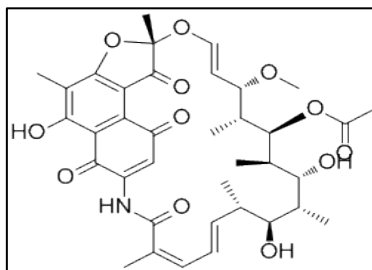
Analysis Date: 07-06-2025

Re-test Date: 07-06-2028

## RIFAXIMIN EP IMPURITY E

### Identification

<b>Chemical Name</b>	: 1,4-Dideoxy-1,4-dihydro-1,4-dioxo-rifamycin ;5,17,19,21-Tetrahydroxy-23-methoxy-2,4,12,16,18,20,22-heptamethyl-2,7-(epoxypentadeca[1,11,13] trienimino)naphtho[2,1-b]furan-1,6,9,11(2H)-tetrone 21-Acetate
<b>CAT No</b>	: ALL-RIF-1955
<b>CAS No</b>	: 13553-79-2
<b>Molecular Formula</b>	: C <sub>37</sub> H <sub>45</sub> NO <sub>12</sub>
<b>Molecular Weight</b>	: 695.75



### Analytical Information

<b>Batch Code</b>	: ALL-RIF-1955	<b>HPLC Purity</b>	: 98.01%
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 97.51 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 0C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.596 %	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.475 %		

### Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.596 + 0.475) \times 98.01] / 100 = 97.51 \%$$

**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