

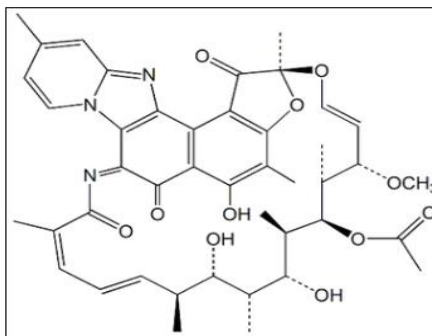
Analysis Date: 14-12-2023

Re-test Date: 14-12-2026

RIFAXIMIN EP IMPURITY G

Identification

| | |
|--------------------------|--|
| Chemical Name | : (2S,7Z,16Z,18E,20S,21S,22R,23R,24R,25S,26R,27S,28E)-5,21,23-Trihydroxy-27-methoxy-2,4,11,16,20,22,24,26-octamethyl-1,6,15-trioxo-1,2,6,7-tetrahydro-2,7-(epoxypentadeca[1,11,13]trienonitrilo)[1]benzofuro-[4,5-e]pyrido[1,2-a |
| CAT No | : ALL-RIF-G |
| CAS No | : 80621-76-7 |
| Molecular Formula | : C ₄₃ H ₄₉ N ₃ O ₁₁ |
| Molecular Weight | : 783.86 |



Analytical Information

| | | | |
|------------------------------|----------------------|--------------------------|-----------|
| Batch Code | : ALL-RIF-G | HPLC Purity | : 98.12 % |
| Solubility | : MeOH: ACN | Potency | : 95.27 % |
| Appearance of Product | : Dark Red Solid | Mass | : Confirm |
| Long Term Storage | : 2-8 ⁰ C | IR Analysis | : Confirm |
| Weight Loss By TGA | : 1.991 % | ¹H NMR | : Confirm |
| Residue Of Ignition | : 0.905 % | | |

Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (1.991 + 0.905) \times 98.12] / 100 = 95.27 \%$$

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