# CERTIFICATE OF ANALYSIS

(Certificate No. KMM171021-03)

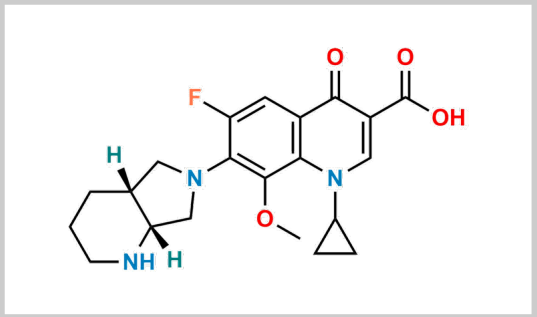
**Release Date:** 09/01/2026 **Re-test Date:** 08/01/2029

## Moxifloxacin EP Impurity G

## Identification

**Chemical Name** :
1-Cyclopropyl-6-fluoro-8-methoxy-7-[(4aR,7aR)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

| | |
|---|---|
| **Alt. Name** | : Moxifloxacin USP Related Compound G ; d-Moxifloxacin |
| **CAT No.** | : KMM171021 |
| **CAS No.** | : 268545-13-7 |
| **Molecular Formula** | : C21H24FN3O4 |
| **Molecular Weight** | : 401.4 |




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : M171021-114-086 | **Solubility** | : Water |
| **Description** | : Light Yellow Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 97.35 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 2.86 % | **1H NMR** | : Confirm |
| **% Potency** | : 94.57 % | | |

## Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency =** [100 - 2.86(Weight Loss By TGA)] x [97.35(HPLC Purity)]/100 = 94.57 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 09/01/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 09/01/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR,IR and TGA