

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-M033007-1216)

Analysis Date: 26/07/2022

Re-test Date: 21/07/2024

Moxifloxacin EP Impurity G

Identification

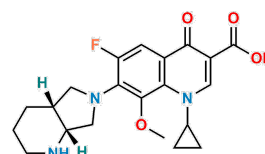
Chemical Name : 1-cyclopropyl-6-fluoro-8-methoxy-7-[(4aR,7aR)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

CAT No. : SZ-M033007

CAS No. : 268545-13-7

Molecular Formula : C₂₁H₂₄FN₃O₄

Molecular Weight : 401.4



Analytical Information

Batch Code : SRL-1134-228

Solubility : ACN:H₂O (8:2)

Appearance of product : Light Yellow Solid

Long Term Storage : 2-8 °C for long term storage

Weight Loss By TGA : 0.56 %

Residue On Ignition : 0.00 %

Chiral Purity : 96.75 %

HPLC Purity : 96.40 %

Mass : Confirm

IR Analysis : Confirm

¹H NMR : Confirm

Additional Information

% Potency = [100 - 0.56 (Wt loss by TGA) - 0.00(ROI)] X [96.40 (HPLC Purity)] / 100 = 95.86 %

Recommendation : Released

Department

Signature

Date

| | | | |
|--------------------------|-----------------|--|--|
| Prepared and Reviewed by | Analytical | | |
| Approved By | Quality Control | | |

Attachments : HPLC, Mass, ¹H NMR, IR, TGA, ROI, Chiral Purity

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.