

# CERTIFICATE OF ANALYSIS

(Certificate No. SZ-M033007-1216)

Analysis Date: 26/07/2022

Re-test Date: 21/07/2024

## Moxifloxacin EP Impurity G

### Identification

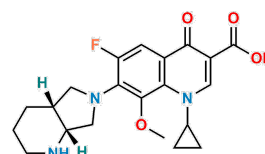
Chemical Name : 1-cyclopropyl-6-fluoro-8-methoxy-7-[(4aR,7aR)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

CAT No. : SZ-M033007

CAS No. : 268545-13-7

Molecular Formula : C<sub>21</sub>H<sub>24</sub>FN<sub>3</sub>O<sub>4</sub>

Molecular Weight : 401.4



### Analytical Information

Batch Code : SRL-1134-228

Solubility : ACN:H<sub>2</sub>O (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

<sup>1</sup>H 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, <sup>1</sup>H NMR, IR, TGA, ROI, Chiral Purity

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