

# CERTIFICATE OF ANALYSIS

(Certificate No. KML009001-01)

Release Date: 28/11/2023

Re-test Date: 27/11/2026

## Levofloxacin Related Compound A

### Identification

**Chemical Name :**

(S)-9-fluoro-3-methyl-7-oxo-10-(piperazin-1-yl)-3,7-dihydro-2H-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxylic acid

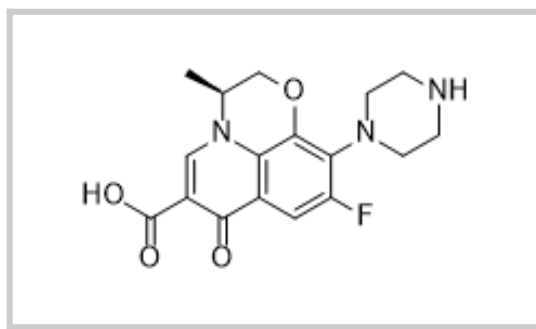
**Alt. Name** : Levofloxacin USP Related Compound A ; N-Desmethyl Levofloxacin

**CAT No.** : KML009001

**CAS No.** : 117707-40-1

**Molecular Formula** : C<sub>17</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>4</sub>

**Molecular Weight** : 347.34



### Analytical Information

**Batch No.** : OFL-EPE-045-334

**Description** : Light Yellow Solid

**HPLC Purity** : 98.49 %

**Weight Loss By TGA** : 1.23 %

**% Potency** : 97.28 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### 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 - 1.23(Weight Loss By TGA)] x [98.49(HPLC Purity)]/100 = 97.28 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		15/05/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		15/05/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA