

# CERTIFICATE OF ANALYSIS

(Certificate No. KML011001-01)

Release Date: 07/08/2024

Re-test Date: 06/08/2027

## Linezolid Impurity A

### Identification

**Chemical Name :**

(S)-5-(aminomethyl)-3-(3-fluoro-4-morpholinophenyl)oxazolidin-2-one

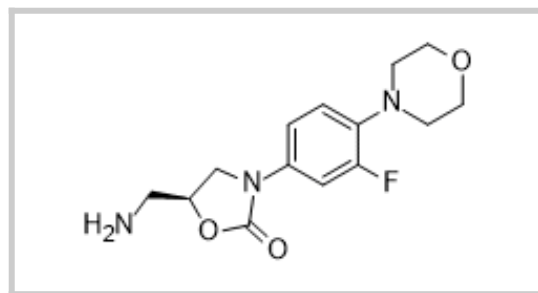
**Alt. Name** : Linezolid Desacetyl Analog

**CAT No.** : KML011001

**CAS No.** : 168828-90-8

**Molecular Formula** : C<sub>14</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>3</sub>

**Molecular Weight** : 295.31



### Analytical Information

**Batch No.** : LIN-RCC-073-319

**Description** : Light Yellow Solid

**HPLC Purity** : 99.53 %

**Weight Loss By TGA** : 4.01 %

**% Potency** : 95.54 %

**Solubility** : ACN : Water (1:1)

**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 - 4.01(Weight Loss By TGA)] x [99.53(HPLC Purity)]/100 = 95.54 %

**Recommendation** : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 24/05/2025 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 24/05/2025 |

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