

# CERTIFICATE OF ANALYSIS

(Certificate No. KMN006001-01)

Release Date: 27/11/2024

Re-test Date: 27/11/2027

## DL-Norepinephrine HCl

### Identification

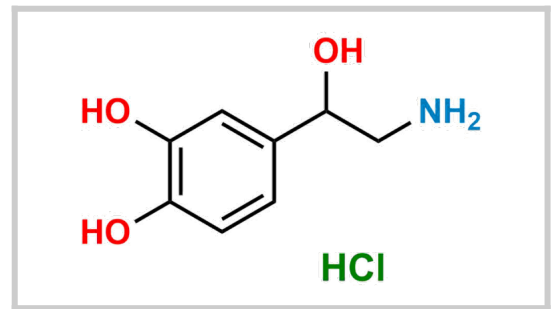
**Chemical Name :**  
4-(2-Amino-1-hydroxyethyl)benzene-1,2-diol hydrochloride

**CAT No.** : KMN006001

**CAS No.** : 55-27-6

**Molecular Formula** : C<sub>8</sub>H<sub>11</sub>NO<sub>3</sub> : HCl

**Molecular Weight** : 169.2 : 36.5



### Analytical Information

**Batch No.** : N006001-091-037

**Description** : Brown Hygroscopic Solid

**HPLC Purity** : 99.52 %

**Weight Loss By TGA** : 0.73 %

**% Potency** : 98.79 %

**Solubility** : Water

**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 - 0.73(Weight Loss By TGA)] x [99.52(HPLC Purity)]/100 = 98.79 %

**Recommendation** : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 28/11/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 28/11/2024 |

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