# CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001001-01)

**Release Date:** 14/02/2024 **Re-test Date:** 13/02/2027

## 1-(2-(2-methoxyethoxy)ethyl)piperazine

## Identification

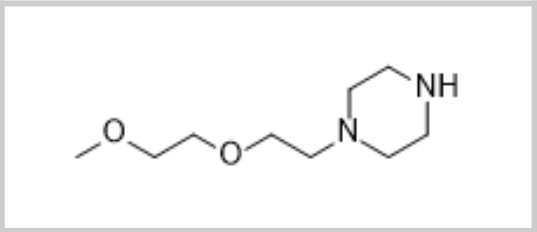
**Chemical Name** :
1-(2-(2-methoxyethoxy)ethyl)piperazine

**CAT No.** : KMQ001001

**CAS No.** : 68465-66-7

**Molecular Formula** : C9H20N2O2

**Molecular Weight** : 188.27




## Analytical Information

**Batch No.** : QUE-IMP-25-073-072

**Description** : Light Yellow Liquid

**GC Purity** : 98.31 %

**Weight Loss By TGA** : 2.89 %

**% Potency** : 95.47 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

**1H 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 - 2.89(Weight Loss By TGA)] x [98.31(GC Purity)]/100 = 95.47 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 14/02/2024 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 14/02/2024 |

**Attachments** : COA, GC, MASS, 1HNMR, IR and TGA