

CERTIFICATE OF ANALYSIS

(Certificate No. KMT198003-01)

Release Date: 09/05/2026

Re-test Date: 08/05/2029

TROLAMINE EP IMPURITY B

Identification

Chemical Name :
2,2'-iminodiethanol (as per EP)

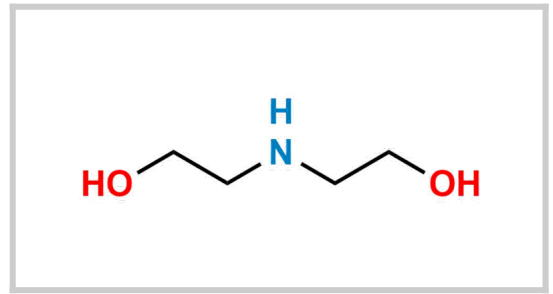
Alt. Name : Diethanolamine (EP)

CAT No. : KMT198003

CAS No. : 111-42-2

Molecular Formula : C₄H₁₁NO₂

Molecular Weight : 105.1



Analytical Information

Batch No. : T198003-114-302

Description : Colorless Liquid

GC Purity : 97.91 %

Weight Loss By TGA : 0.69 %

% Potency : 97.23 %

Solubility : MDC

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 - 0.69(Weight Loss By TGA)] x [97.91(GC Purity)]/100 = 97.23 %

Recommendation : Released

| | Department | Name | Signature | Date |
|-----------------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 09/05/2026 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 09/05/2026 |

Attachments : COA, GC, MASS, ¹H NMR, IR and TGA