

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001015-01)

Release Date: 13/05/2026

Re-test Date: 12/05/2029

N,N'-Bis(hydroxyethoxyethyl)piperazine

Identification

Chemical Name :

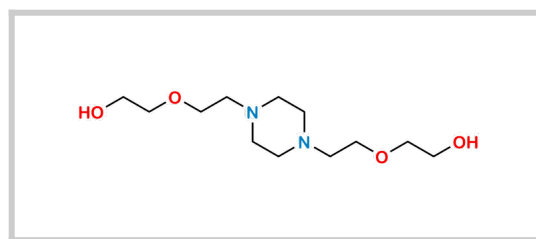
2,2'-((Piperazine-1,4-diylbis(ethane-2,1-diyl))bis(oxy))bis(ethan-1-ol)

CAT No. : KMQ001015

CAS No. : 14258-43-6

Molecular Formula : C₁₂H₂₆N₂O₄

Molecular Weight : 262.4



Analytical Information

Batch No. : Q001015-114-317

Solubility : MDC

Description : Off White Semi Solid

Mass : Confirm

GC Purity : 98.08 %

IR : Confirm

Weight Loss By TGA : 1.14 %

¹H NMR : Confirm

% Potency : 96.96 %

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 - 1.14(Weight Loss By TGA)] x [98.08(GC Purity)]/100 = 96.96 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/05/2026
Reviewed & Approved By	Quality Control	Jatin Patel		13/05/2026

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