

CERTIFICATE OF ANALYSIS

(Certificate No. KMP005002-01)

Release Date: 10/07/2024

Re-test Date: 09/07/2027

Promethazine Related Compound B

Identification

Chemical Name :
N,N-dimethyl-2-(10H-phenothiazin-10-yl)propan-1-amine

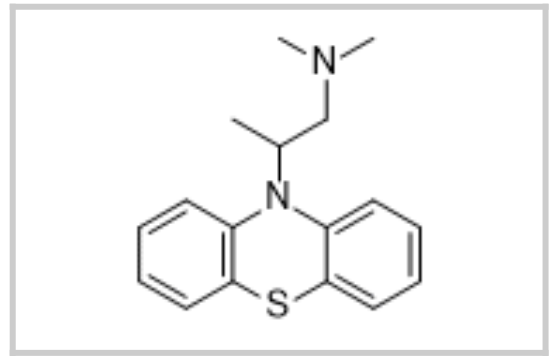
Alt. Name : Isopromethazine ; Promethazine USP
Related Compound B

CAT No. : KMP005002

CAS No. : 303-14-0 ; 5568-90-1 (HCl Salt)

Molecular Formula : C₁₇H₂₀N₂S

Molecular Weight : 284.42



Analytical Information

Batch No. : PRO-RC-B-045-125

Description : Light Brown Solid

HPLC Purity : 97.62 %

Weight Loss By TGA : 1.06 %

% Potency : 96.59 %

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 = $[100 - 1.06(\text{Weight Loss By TGA})] \times [97.62(\text{HPLC Purity})]/100 = 96.59 \%$
-Re-tested on 10.07.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		24/03/2026

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