

CERTIFICATE OF ANALYSIS

(Certificate No. KMB120007-01)

Release Date: 15/11/2024

Re-test Date: 14/11/2027

Buspirone Related Compound A

Identification

Chemical Name :
2-(Piperazin-1-yl)pyrimidine

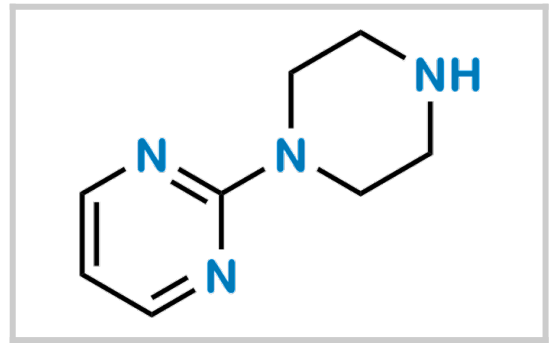
Alt. Name : Buspirone USP Related Compound A

CAT No. : KMB120007

CAS No. : 20980-22-7

Molecular Formula : C₈H₁₂N₄

Molecular Weight : 164.2



Analytical Information

Batch No. : B120007-091-020

Solubility : Methanol

Description : Light Yellow Liquid

Mass : Confirm

HPLC Purity : 97.58 %

IR : Confirm

Weight Loss By TGA : 2.45 %

¹H NMR : Confirm

% Potency : 95.19 %

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 - 2.45(Weight Loss By TGA)] x [97.58(HPLC Purity)]/100 = 95.19 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		15/11/2024
Reviewed & Approved By	Quality Control	Jatin Patel		15/11/2024

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