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

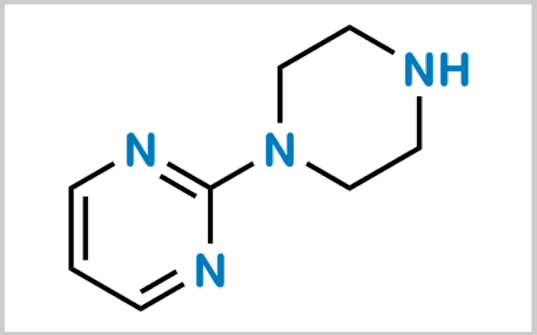
Alt. Name : Buspirone USP Related Compound A

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