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CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2025

Re-test Date: Jun 2028

Product Name: Buspirone EP Impurity A

Identification:

Chemical Name: 2-(Piperazin-1-yl)pyrimidine (as per EP & USP)

Synonyms : Buspirone USP Related
Compound A

CAS Number : 20980-22-7

CAT Number : CP-B22001

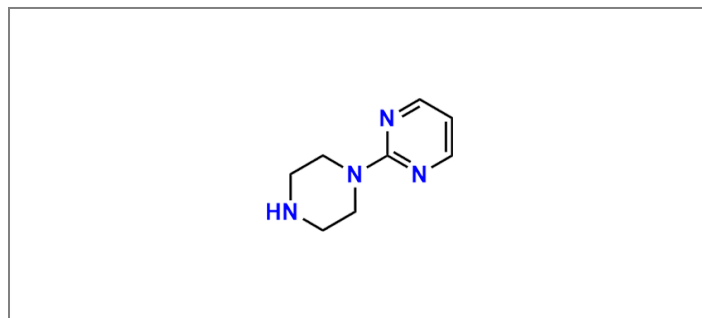
Molecular Formula : C₈H₁₂N₄

Molecular Weight : 164.21

Batch Number : CHEM-BUS-A

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	Colorless to Pale Yellow hygroscopic Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.55%
5)	¹ HNMR	Confirm to structure
6)	¹³ CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	7.717%
9)	Potency by TGA	91.87%

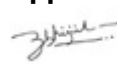


Prepared and Reviewed By



Mr. Shubham Bondre
(Quality Control)

Approved By



Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.