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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

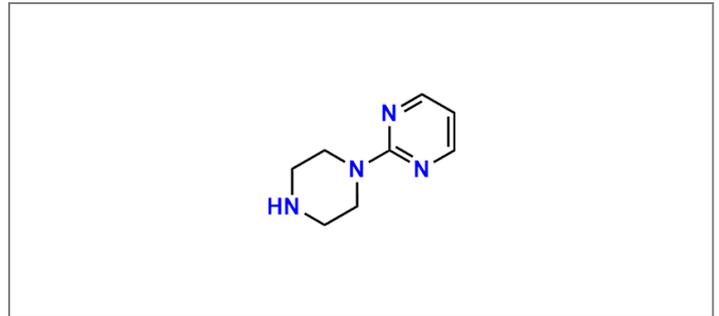
Molecular Formula : C<sub>8</sub>H<sub>12</sub>N<sub>4</sub>

Molecular Weight : 164.21

Batch Number : CHEM-BUS-A

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

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



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

Ms Rohini Gagare  
(Quality Assurance)

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