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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2025

Re-test Date: Apr 2028

**Product Name: Diazepam EP Impurity D**

### Identification:

Chemical Name: [5-Chloro-2-(methylamino)phenyl]phenylmethanone (as per EP)

Synonyms : Diazepam USP Related  
Compound A

CAS Number : 1022-13-5

CAT Number : CP-D18004

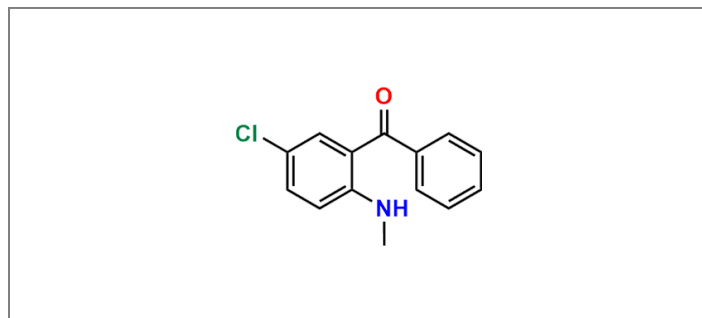
Molecular Formula : C<sub>14</sub>H<sub>12</sub>ClNO

Molecular Weight : 245.7

Batch Number : CHEM-DIA-D

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	Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.91%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	0.564 %
8)	Potency by TGA	98.35 %



**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.