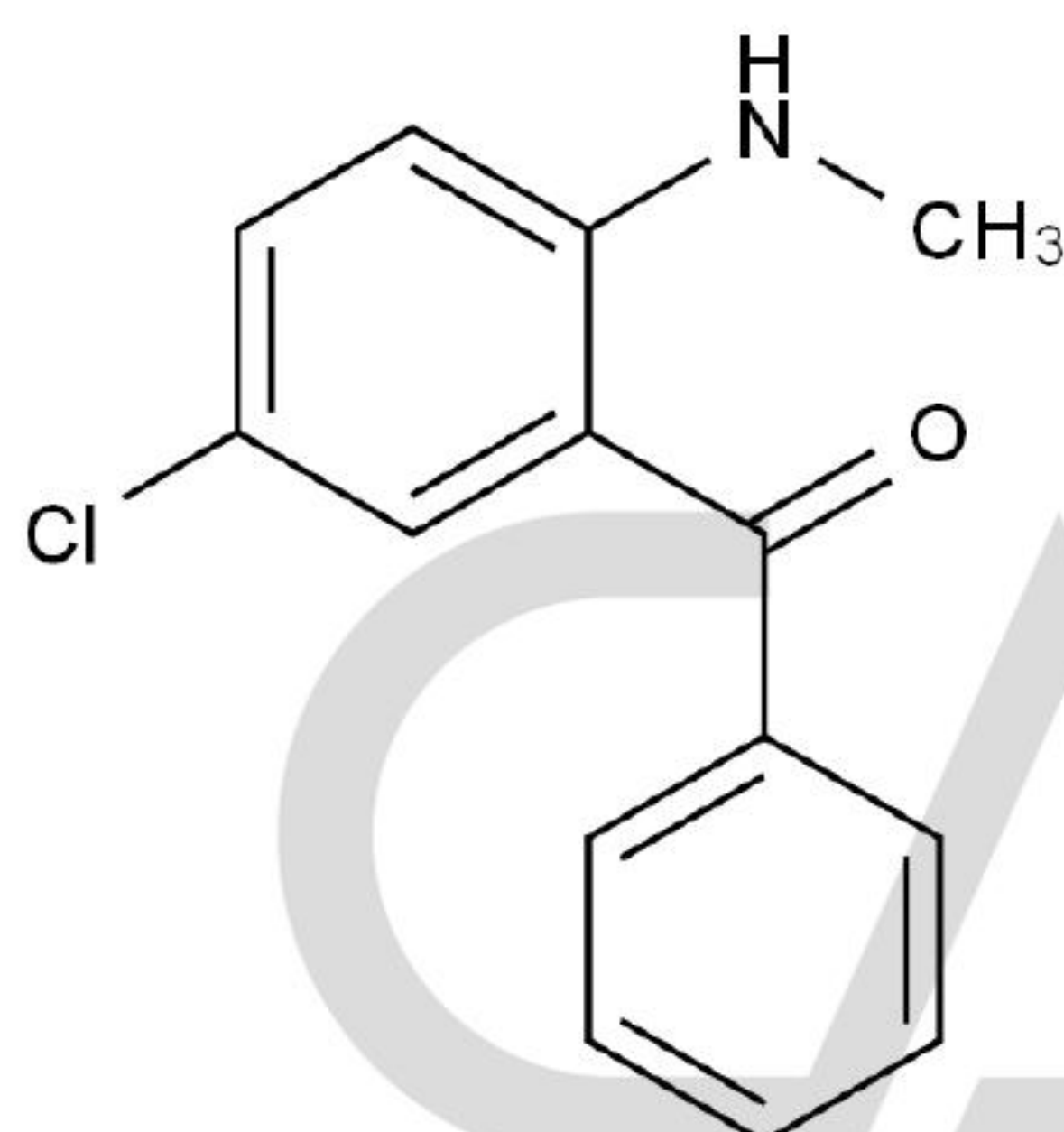


Certificate of Analysis

Reference Material & Standard

Product Name:	Diazepam EP Impurity D	Catalogue Number:	C4X-14654
Synonyms:	N/A	Lot Number:	0312-RH-0115
CAS Number:	1022-13-5	Expiry Date:	Mar 15, 2030
Molecular Formula:	C ₁₄ H ₁₂ ClNO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	245.70	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.983%
Residue on Ignition	TGA	0.3808%
Loss on Drying	TGA	0.0272%
Assay		98.6%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss on Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 16, 2026

Date: Mar 16, 2026

Date: Mar 16, 2026



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