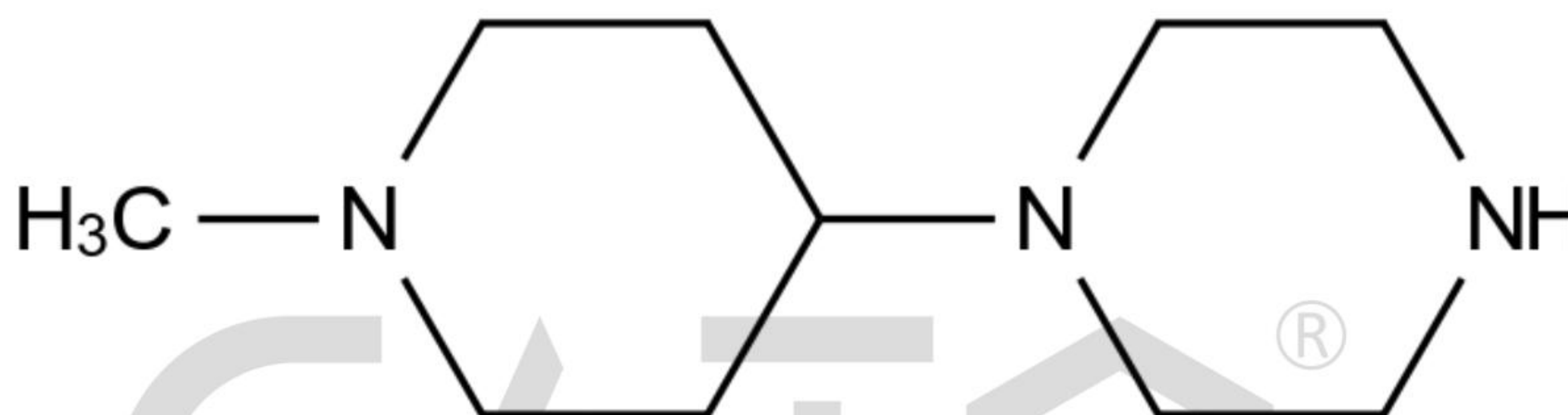


Certificate of Analysis

Reference Material & Standard

Product Name:	1-(1-Methylpiperidin-4-yl)piperazine	Catalogue Number:	C1509723
Synonyms:	N/A	Lot Number:	0527-RG-0085
CAS Number:	23995-88-2	Expiry Date:	May 29, 2029
Molecular Formula:	C10H21N3	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	183.29	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Water Content	Karl Fischer	2.9115%
Assay		97.1%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity ELSD (%) / 100%

Water Content is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 30, 2025

Date: May 30, 2025

Date: May 30, 2025

