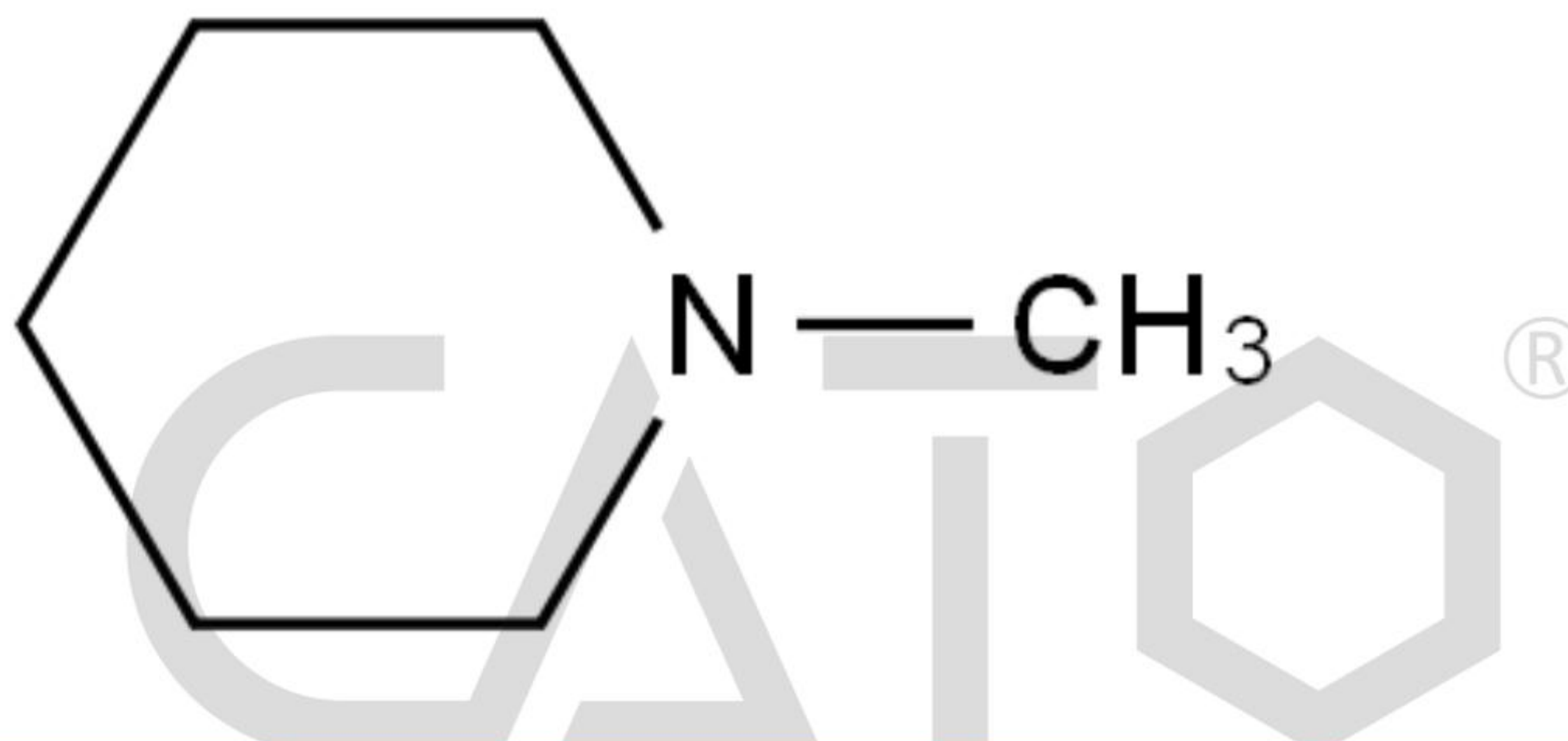


Certificate of Analysis

Reference Material & Standard

Product Name:	1-Methylpiperidine	Catalogue Number:	CCHM704423
Synonyms:	N/A	Lot Number:	0615-RD-0009
CAS Number:	626-67-5	Expiry Date:	Aug 27, 2030
Molecular Formula:	C ₆ H ₁₃ N	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	99.17	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&IR&CNMR&HNMR	Confirmed
Purity	GC	99.767%
Water Content	Karl Fischer	0.5248%
Assay		99.2%
Uncertainty		±0.2%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$$

Water Content is considered as absolute effect, GC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 29, 2026

Date: Aug 31, 2026

Date: Aug 31, 2026



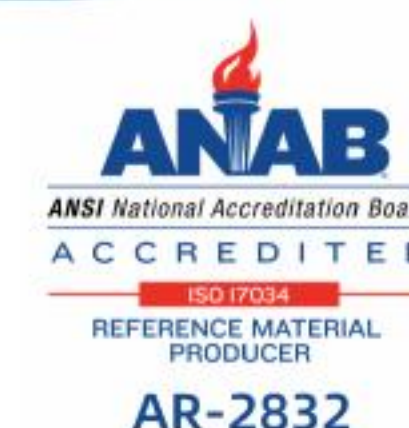
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