

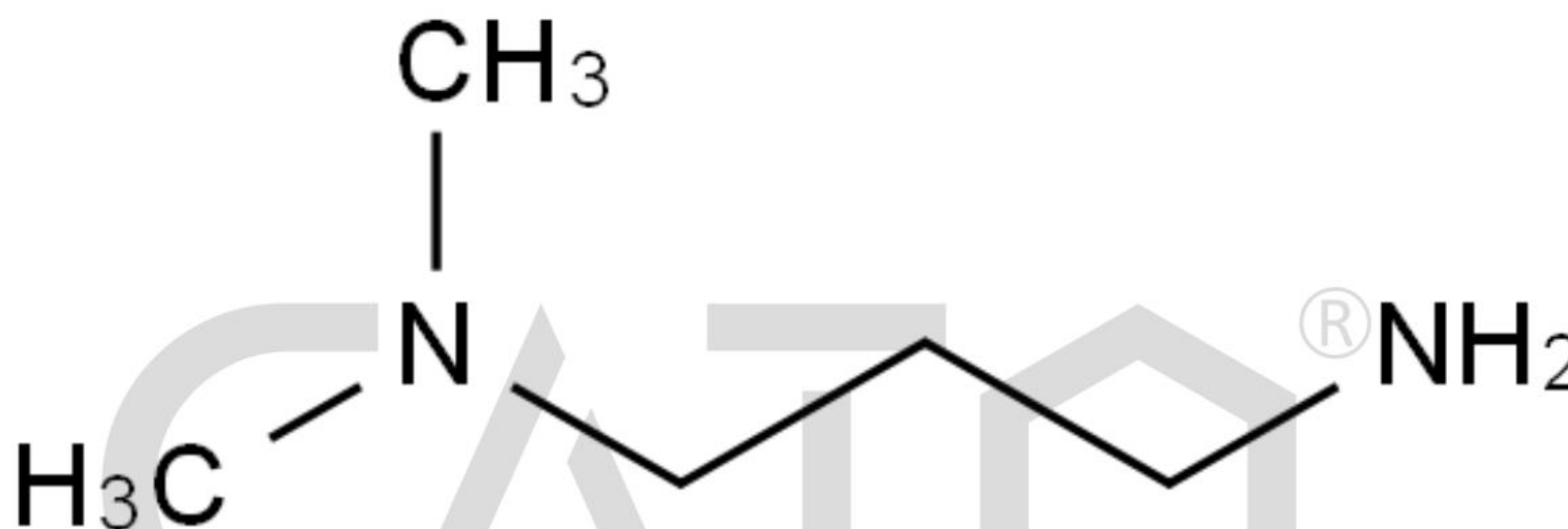
Certificate of Analysis

Reference Material & Standard

Product Name:	N,N-Dimethyl-1,3-propanediamine	Catalogue Number:	CCHM701618
Synonyms:	N/A	Lot Number:	0701-RF-0098
CAS Number:	109-55-7	Expiry Date:	Jul 03, 2028
Molecular Formula:	C ₅ H ₁₄ N ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	102.18	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.9%
Assay	qNMR	94.5%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. 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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 04, 2024

Date: Jul 04, 2024

Date: Jul 04, 2024

