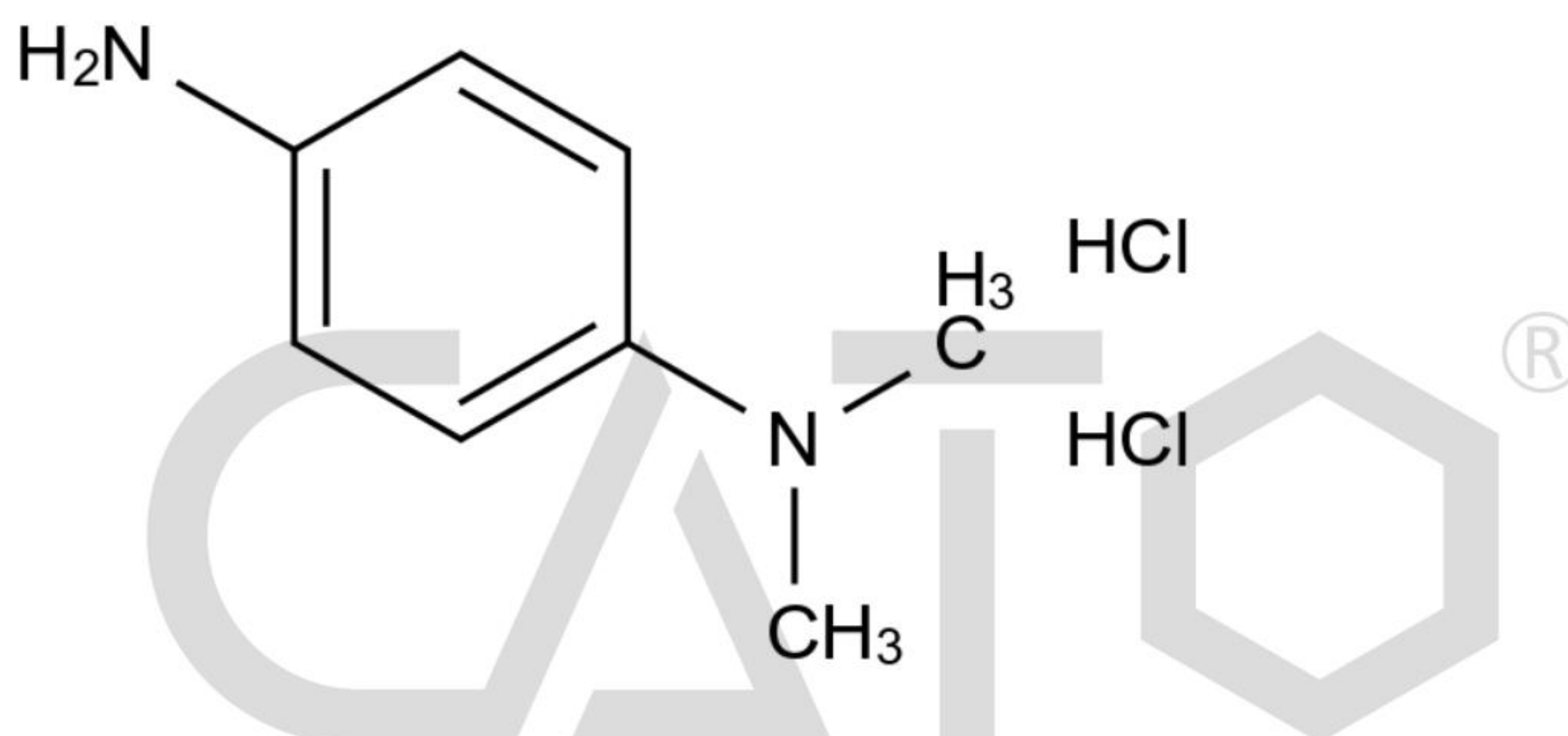


Certificate of Analysis

Reference Material & Standard

Product Name:	N,N-Dimethyl-1,4-phenylenediamine Dihydrochloride	Catalogue Number:	CCHM705976
Synonyms:	N/A	Lot Number:	0304-RG-0110
CAS Number:	536-46-9	Expiry Date:	Mar 05, 2029
Molecular Formula:	C ₈ H ₁₂ N ₂ 2*HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	136.19 2*36.46	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.8%
Assay	qNMR	97.2%
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: Mar 06, 2025

Date: Mar 06, 2025

Date: Mar 06, 2025

