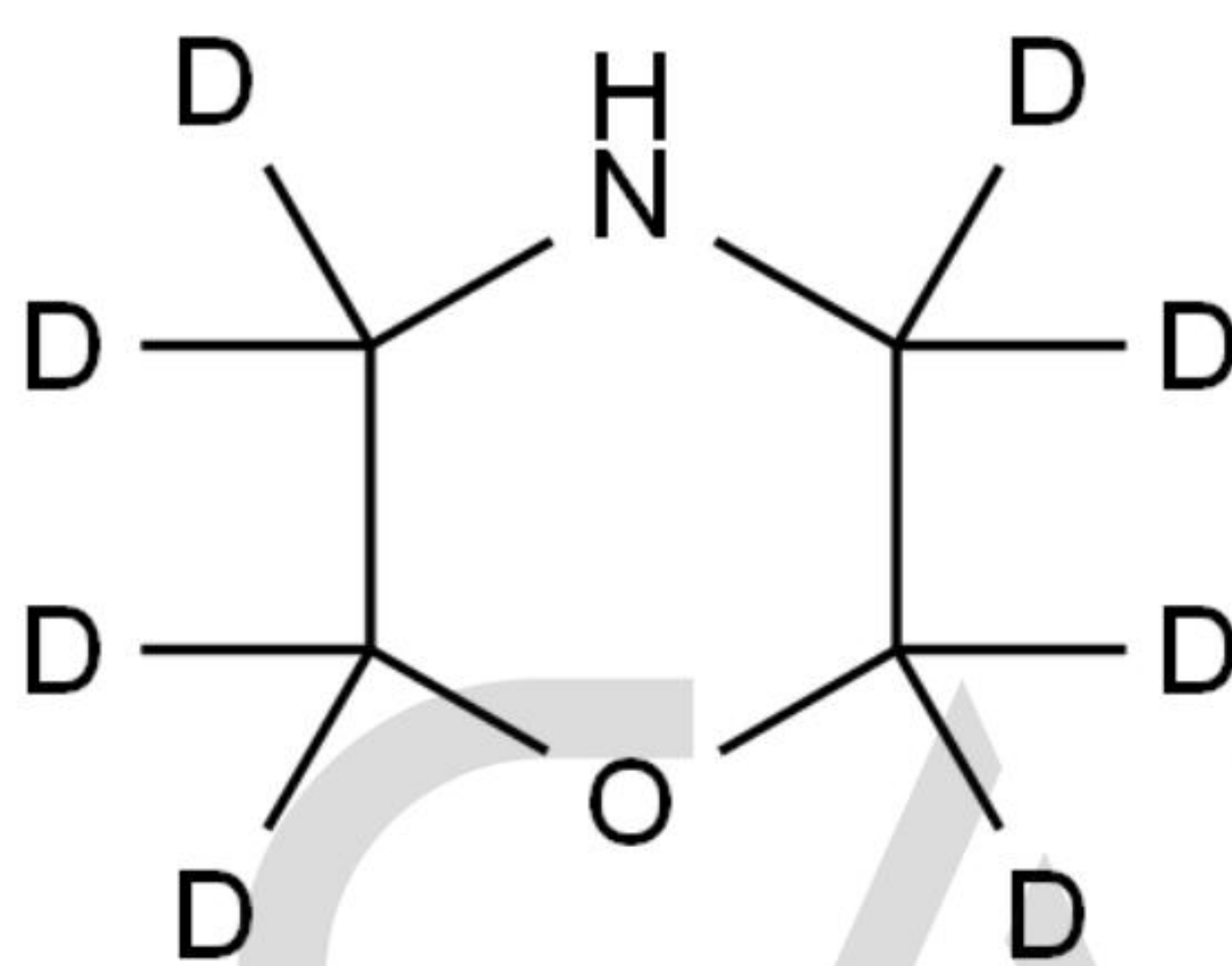


Certificate of Analysis

Reference Material

Product Name:	Morpholine-d8	Catalogue Number:	CCHM702067
Chemical Name:	N/A	Lot Number:	1229-RD-0026
CAS Number:	342611-02-3	Expiry Date:	Jun 08, 2026
Molecular Formula:	C4HD8NO	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	95.17		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Clear Colourless Oil
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	97.4%
Isotopic Purity		98.3%
Uncertainty		±2.0%

Comment:

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:

Xenia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Jun 09, 2022

Date: Jan 09, 2023

Date: Jan 09, 2023

