

Certificate of Analysis

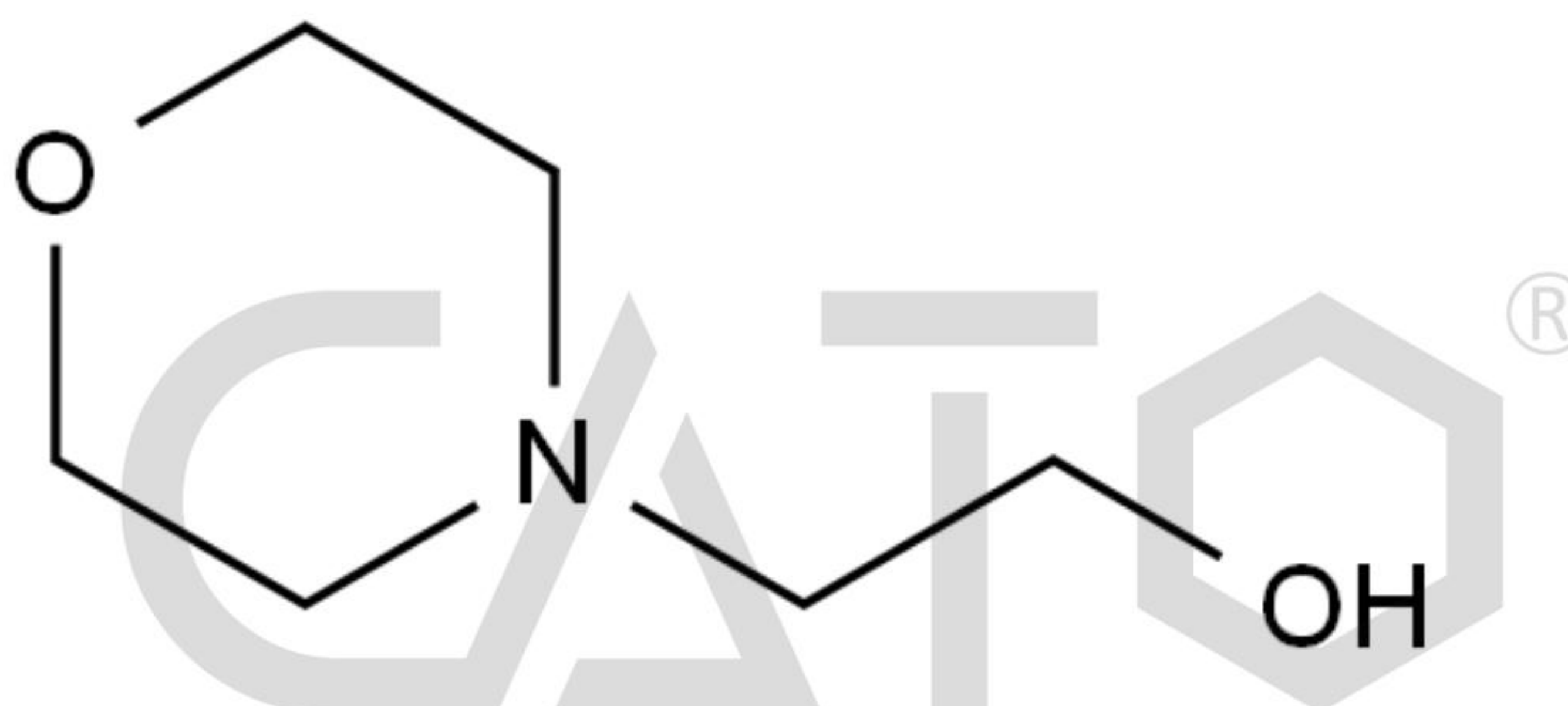
Reference Material & Standard

Product Name:	2-morpholinoethanol	Catalogue Number:	C3D-5107
Synonyms:	N/A	Lot Number:	0820-RH-0080
CAS Number:	622-40-2	Expiry Date:	Aug 19, 2030
Molecular Formula:	C ₆ H ₁₃ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	131.17	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow to Light Yellow Oil
Identification	GCMS&IR&UV&HNMR	Confirmed
Purity	GC	100.000%
Water Content	Karl Fischer	3.5445%
Assay		96.5%

Comment:

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

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

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

Signature:

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Date: Aug 20, 2026

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