



Version	01
Molecular weight	117.15
Quality Test / Release Date	09/24/2021
Molecular Formula	C5 H11 N O2 . x H2 O
CAS No	80913-66-2
Linear Formula	
Flash Point (°C)	

## Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	20834	Quality Test / Release Date	09/24/2021
Lot Number	A0406601	Suggested retest date	09/24/2026
Description	4-Methylmorpholine N-oxide hydrate, 97%		
Country of Origin	CHINA		
Declaration of Origin	synthetic		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White to beige	beige
Appearance (Form)	Crystalline powder	Crystalline powder
Infrared spectrum	Conforms	Conforms
Titration with HClO4	≥96.0 % (on dry substance)	102.4 % (on dry substance)
Water	≤15 % (K.F.)	3 % (K.F.)



A handwritten signature in black ink, appearing to read "C. Wygaerts", enclosed within a hand-drawn oval.

C. Wygaerts, QA Manager

Issued: 09-24-2021

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