



Version	00
Molecular weight	87.12
Quality Test / Release Date	09/30/2021
Molecular Formula	C <sub>4</sub> H <sub>9</sub> N <sub>2</sub> O
CAS No	110-91-8
Linear Formula	
Flash Point (°C)	32

## 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.

<b>Catalog Number</b>	15868	<b>Quality Test / Release Date</b>	09/30/2021
<b>Lot Number</b>	A0435048	<b>Suggested retest date</b>	09/30/2026
<b>Description</b>	Morpholine,99+%,extra pure		
<b>Country of Origin</b>	NETHERLANDS		
<b>Declaration of Origin</b>	synthetic		

<b>BSE/TSE</b>	
<b>Chemical</b>	

Result name	Specifications	Test Value
Appearance (Form)	Clear liquid	Clear liquid
Color scale	=<20 APHA	10 APHA
Infrared spectrum	Conforms	Conforms
GC	>=99.0 %	99.7 %
Refractive index	1.4530 to 1.4550 (20°C, 589 nm)	1.4547 (20°C, 589 nm)



A handwritten signature in black ink, appearing to read "C. Wygaerts".

C. Wygaerts, QA Manager

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