

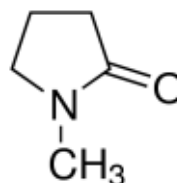
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Product Specification

Product Name:
1-Methyl-2-pyrrolidinone - biotech. grade, ≥99.7%

Product Number: 494496
CAS Number: 872-50-4
MDL: MFCD00003193
Formula: C₅H₉NO
Formula Weight: 99.13 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Infrared spectrum	Conforms to Structure
Color Test	≤ 20 APHA
UV Absorbance 400nm	≤ 0.01
UV Absorbance 350nm	≤ 0.01
UV Absorbance 325nm	≤ 0.10
UV Absorbance 300nm	≤ 0.50
UV Absorbance 285nm	≤ 1.0
Purity (GC)	≥ 99.70 %
Water (by Karl Fischer)	≤ 0.005 %
Free Amines	≤ 0.01
% as Methylamine	
Titrateable Base (meq/g)	≤ 0.001

Specification: PRD.1.ZQ5.10000016757

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.