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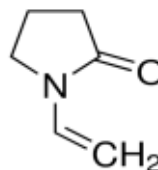
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

1-Vinyl-2-pyrrolidinone - contains sodium hydroxide as inhibitor, ≥99%

**Product Number:** V3409  
**Batch Number:** MKCD3030  
**Brand:** ALDRICH  
**CAS Number:** 88-12-0  
**MDL Number:** MFCD00003197  
**Formula:** C<sub>6</sub>H<sub>9</sub>NO  
**Formula Weight:** 111.14 g/mol  
**Quality Release Date:** 02 JUN 2017



Test	Specification	Result
Appearance (Color) Material may darken in color over time	Colorless to Light Yellow	Colorless
Appearance (Form)	Liquid	Liquid
Refractive index at 20 °C	1.510 - 1.514	1.514
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.0 %	99.6 %
Inhibitor Confirms Sodium Component	Present	Present

Michael Grady, Manager  
Quality Control  
Milwaukee, WI US

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.