

## Certificate of Analysis

Product Name:

**1-Methyl-2-pyrrolidinone PurSol<sup>v</sup> HS, GC-Headspace tested, ≥99.9%**

Product No.: PSR36270  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 872-50-4  
Molecular Formula: C<sub>5</sub>H<sub>9</sub>NO  
Molecular Weight: 99.13 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	≥ 99.9 %	99.9 %
Refractive Index (20°C)	1.469 -1.471	1.4709
Water (By KF)	NMT 0.1 %	0.006 %
UV Cutoff	269 nm	262 nm
Absorbance @350 nm (10 mm)	NMT 0.013 AU	0.0018 AU
Absorbance @320 nm (10 mm)	NMT 0.107 AU	0.0166 AU
Absorbance @300 nm (10 mm)	NMT 0.259 AU	0.0569 AU
Absorbance @285 nm (10 mm)	NMT 0.522 AU	0.1809 AU
GC Headspace Class 1 Compounds	NMT 1 ppm	< 1 ppm
GC Headspace Class 2 Compounds	NMT 10 ppm	< 10 ppm
GC Headspace Class 3 Compounds	NMT 50 ppm	< 50 ppm
GC Headspace Suitability Test	Passes test	Passes test
IR Spectrum	Conforms to Structure	Conforms

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.  
For queries on this COA, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)

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**Remarks:**

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at [www.pure-synth.com](http://www.pure-synth.com)

Inspect on receipt

**Storage Condition:**

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

*This is electronically-generated copy & is valid without a signature*

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