

Certificate of Analysis

Product Name:

1-Methyl-2-pyrrolidinone PurSol[®] HS, GC-Headspace tested, ≥99.9%

Product No.: PSR36270
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 872-50-4
Molecular Formula: C₅H₉NO
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 %	99.99 %
Refractive Index (20°C)	1.469 -1.471	1.4709
Water (By KF)	NMT 0.1 %	0.006 %
UV Cutoff	NMT 269 nm	262 nm
Absorbance @350 nm (10 mm)	NMT 0.013 AU	0.0019 AU
Absorbance @320 nm (10 mm)	NMT 0.107 AU	0.0167 AU
Absorbance @300 nm (10 mm)	NMT 0.259 AU	0.0567 AU
Absorbance @285 nm (10 mm)	NMT 0.522 AU	0.1809 AU
GC Headspace Class 1	NMT 1 ppm	< 1 ppm
GC Headspace Class 2	NMT 10 ppm	< 10 ppm
GC Headspace Class 3	NMT 50 ppm	< 50 ppm
GC Headspace Suitability Test	Complies	Complies
Identification by IR	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

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

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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