

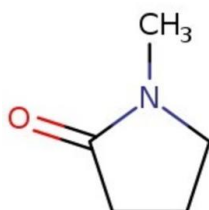
## Certificate of Analysis

**1-METHYL-2-PYRROLIDINONE GC-HS,**

**Product No.: NKC0139**

Product Information	
Cas No.:	872-50-4.
Molecular Formula:	C <sub>5</sub> H <sub>9</sub> NO
Molecular Weight:	99.133.
Grade:	GC-HS Grade.
Storage:	Store in a well-ventilated place. Keep container tightly closed.
MFG Date:	Apr-2025.
EXP Date:	March-2030.
Batch No.:	NKCJ400285.

Test	Specification	Result
Appearance (Form)	Liquid.	Liquid.
Appearance (Colour)	A clear & colorless.	A clear & colorless.
Min. Purity (Head space GC) (in %)	99%+.	99.97%
Boiling range (in °C)	202-203.	202-203.
Density (d <sub>4</sub> 20) (in gm/ml)	1.031-1.033.	1.032.
Refractive index (n <sub>D</sub> 20)	1.469-1.471.	1.470.
Maximum limits of impurities		
Non-volatile matter (in %)	0.0005.	0.0002.
Water (KF) (in %)	0.05.	0.04.



- The product complies with the prescribed standards of quality.
- The product has been tested by the Quality Control Laboratory of N K Chem to the above specifications.
- This is Electronic Generated Specification do not require signature.