

## CERTIFICATE OF ANALYSIS

|                           |                                                     |                         |           |
|---------------------------|-----------------------------------------------------|-------------------------|-----------|
| <b>Product Name</b>       | N-Methyl-2-pyrrolidone LR                           |                         |           |
| <b>Synonyms</b>           | 1-Methyl-2-pyrrolidone, N-Methyl-2-pyrrolidone, NMP |                         |           |
| <b>CAS No</b>             | 872-50-4                                            |                         |           |
| <b>Product code</b>       | SY00338                                             | <b>Batch No</b>         | LNMBF0910 |
| <b>Molecular Formula</b>  | C <sub>5</sub> H <sub>9</sub> NO                    | <b>Molecular Weight</b> | 99.13     |
| <b>Mfg. Date</b>          | Aug-26                                              | <b>Expiry Date</b>      | Jul-31    |
| <b>Storage Conditions</b> | Store at room temperature, tightly closed container |                         |           |

| Test                 | Specification               | Results                 |
|----------------------|-----------------------------|-------------------------|
| <b>Appearance</b>    | Clear colourless liquid     | Clear colourless liquid |
| <b>Color(APHA)</b>   | ≤ 50                        | 21                      |
| <b>K.F(W/W)</b>      | ≤0.05%w/w                   | 0.009 %w/w              |
| <b>Boiling Point</b> | 202 °C.                     | 202 °C                  |
| <b>IR Spectrum</b>   | Identification by structure | Confirmed               |
| <b>Purity by GC</b>  | ≥99.00%                     | 99.50%                  |

**Approved by**  
Dr. Gopinath PH. D

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