

## SPECIFICATION

## 1-Methyl-2-pyrrolidone

for Peptide Synthesis

| REQUIREMENT                                   | SPECIFICATION                             |
|---|---|
| Appearance                                    | Colorless ~ slightly yellow, clear liquid |
| Solubility in ethanol                         | to pass test                              |
| Density (20°C)                                | 1.030~1.035g/mL                           |
| Refractive index 20°C                         | 1.468~1.472                               |
| Absorbance (280nm)                            | max.0.6                                   |
| Water   | max.0.02%                                 |
| Chloride (Cl)                                 | max.1ppm                                  |
| Amines (as CH <sub>3</sub> NH <sub>2</sub> )  | max.10ppm                                 |
| Peroxides (as H <sub>2</sub> O <sub>2</sub> ) | max.0.02%                                 |
| Assay (capillary GC)                          | min.99.0%                                 |