

## SPECIFICATION

## 1-Methyl-2-pyrrolidone

for GPC

| REQUIREMENT                                   | SPECIFICATION                                 |
|---|---|
| Appearance                                    | Colorless ~ nearly colorless,<br>clear liquid |
| Density (20°C)                                | 1.030~1.034g/mL                               |
| Refractive index 20°C                         | 1.467~1.472                                   |
| Absorbance (285nm)                            | max.1.00                                      |
| Absorbance (300nm)                            | max.0.50                                      |
| Absorbance (360nm)                            | max.0.20                                      |
| Absorbance (400~600nm)                        | max.0.10                                      |
| Suitability for GPC test                      | to pass test                                  |
| Water   | max.0.1%                                      |
| Acidity (as HCl)                              | max.5ppm                                      |
| Alkalinity (as pyrrolidine)                   | max.0.002%                                    |
| Peroxides (as H <sub>2</sub> O <sub>2</sub> ) | max.0.03%                                     |
| Assay (capillary GC)                          | min.99.0%                                     |