

## SPECIFICATION

## Benzene

for High Performance Liquid Chromatography

| REQUIREMENT                                   | SPECIFICATION          |
|---|------------------------|
| Appearance                                    | Colorless clear liquid |
| Density (20°C)                                | 0.876~0.880g/ml        |
| Refractive index 20°C                         | 1.499~1.502            |
| Absorbance (280nm)                            | max.0.70               |
| Absorbance (290nm)                            | max.0.10               |
| Absorbance (300nm)                            | max.0.05               |
| Absorbance (340~400nm)                        | max.0.01               |
| Water   | max.0.03%              |
| Residue after evaporation                     | max.0.001%             |
| Acidity (as HCl)                              | max.4ppm               |
| Alkalinity (as NaOH)                          | max.4ppm               |
| Peroxides (as H <sub>2</sub> O <sub>2</sub> ) | max.5ppm               |
| Fluorescence test                             | to pass test           |
| Assay (capillary GC)                          | min.99.7%              |