

SPECIFICATION

Benzene, Dehydrated
for Organic Synthesis

| REQUIREMENT | SPECIFICATION |
|--------------------------------------|--|
| Appearance | Colorless clear liquid |
| Density (20°C) | 0.876~0.880g/ml |
| Freezing point | min.5.2°C |
| Refractive index 20°C | 1.499~1.502 |
| Water | max.0.003% |
| Residue after evaporation | max.0.001% |
| Acidity (as HCl) | max.4ppm |
| Alkalinity (as NaOH) | max.4ppm |
| Sulfur compounds | to pass test (as S:max.about 6ppm) |
| Thiophene | to pass test (C ₄ H ₄ S:max.about 1 ppm) |
| Substances darkened by sulfuric acid | to pass test |
| Assay (capillary GC) | min.99.5% |