

SPECIFICATION

Benzene
for Chromatography

REQUIREMENT	SPECIFICATION
Appearance	Colorless clear liquid
Density (20°C)	0.876~0.880g/ml
Freezing point	min.5.2°C
Refractive index 20°C	1.498~1.503
Water	max.0.03%
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%