

## SPECIFICATION

## 1-Butanol

for RoHS

REQUIREMENT	SPECIFICATION
Description	Colorless clear liquid
Assay [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> CH <sub>2</sub> OH] (GC)	min.99.0%(area/area)
Appearance	max.10 Hazen units
Solubility in water	to pass test
Solubility in ethanol	to pass test
Density (20°C)	0.808~0.811g/mL
Refractive index 20°C	1.398~1.400
Water	max.0.2%(mass/mass)
Residue after evaporation	max.0.002%(mass/mass)
Acidity (as CH <sub>3</sub> COOH)	max.0.003%(mass/mass)
Carbonyl compounds (as CO)	max.0.02%(mass/mass)
Fluorescence test	to pass test
Substances darkened by sulfuric acid	to pass test
Cadmium (Cd) (RoHS)	max.10ppm
Mercury (Hg) (RoHS)	max.10ppm
Lead (Pb) (RoHS)	max.100ppm
Chromium (Cr) (RoHS)	max.10ppm
Brominated flame retardants (as Br) (RoHS)	max.1ppm