

# SPECIFICATION

## Ibuprofen Standard

for High Performance Liquid Chromatography

REQUIREMENT	SPECIFICATION
Appearance	White crystalline powder
Solubility in ethanol	to pass test
Solubility in sodium hydroxide solution	to pass test
Specific rotation $[\alpha]_{D20}(c=1, C_2H_5OH)$	-1~+1°
Melting point	75~77°C
Loss on drying over phosphorus(V) oxide in vacuum	max.0.5%
Assay (HPLC)	min.98.0%
Assay (qNMR)	min.98.0%