

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 [α] _{D20} (c=1,C ₂ H ₅ OH)	-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%