

SPECIFICATION

Hexane

for the Japanese Pharmacopoeia General Tests (for Liquid Chromatography)

REQUIREMENT	SPECIFICATION
Description (JP method)	Colorless clear liquid
Absorbance (210nm) (JP method)	max.0.3
Absorbance (250~400nm) (JP method)	max.0.01
Peroxide (JP method)	max.0.0005%
Description (USP-NF method)	Colorless liquid
Assay (USP-NF method)	min.98.5%
Color (APHA) (USP-NF method)	max.10
Residue after evaporation (USP-NF method)	max.0.001%
Water-soluble titrable acid (USP-NF method)	max.0.0003meq/g
Sulfur compounds (as S) (USP-NF method)	max.0.005%
Thiophene (USP-NF method)	passes test
Absorbance (280~400nm) (USP-NF method)	max.0.01
Absorbance (250nm) (USP-NF method)	max.0.02
Absorbance (240nm) (USP-NF method)	max.0.04
Absorbance (230nm) (USP-NF method)	max.0.10
Absorbance (220nm) (USP-NF method)	max.0.20
Absorbance (210nm) (USP-NF method)	max.0.30
Absorbance (195nm) (USP-NF method)	max.1.0
Description (EP method)	Colourless liquid
Sp. Gr.(20/20°C) (EP method)	0.659~0.663
Refractive index 20°C (EP method)	1.375~1.376
Distillation range (67~69°C) (EP method)	min.95%
Absorbance (260~420nm) (EP method)	max.0.01
Appearance	Colorless clear liquid
Density (20°C)	0.658~0.662g/mL
Refractive index 20°C	1.374~1.376
Absorbance (210nm)	max.0.25
Absorbance (220nm)	max.0.08
Absorbance (230nm)	max.0.04

Absorbance (240nm)	max.0.02
Absorbance (254~400nm)	max.0.01
Water	max.0.01%
Peroxides (as H2O2)	max.5ppm
Fluorescence test	to pass test
Assay (capillary GC)	min.96.0%