

SPECIFICATION

Hexane

for the Japanese Pharmacopoeia General Tests (for LC)

REQUIREMENT	SPECIFICATION
Description (JP)	Colorless clear liquid
Absorbance (210nm) (JP)	not more than 0.3
Absorbance (250~400nm) (JP)	not more than 0.01
Peroxide (JP)	not more than 0.0005%
* 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 H ₂ O ₂)	max.5ppm
* Fluorescence test	to pass test
* Assay (capillary GC)	min.96.0%
Description (USP-NF)	Colorless liquid
Assay (USP-NF)	minimum 98.5%
Color (APHA) (USP-NF)	maximum 10
Residue after evaporation (USP-NF)	maximum 0.001%
Water-soluble titrable acid (USP-NF)	maximum 0.0003meq/g
Sulfur compounds (as S) (USP-NF)	maximum 0.005%
Thiophene (USP-NF)	passes test
Absorbance (280~400nm) (USP-NF)	maximum 0.01
Absorbance (250nm) (USP-NF)	maximum 0.02
Absorbance (240nm) (USP-NF)	maximum 0.04
Absorbance (230nm) (USP-NF)	maximum 0.10
Absorbance (220nm) (USP-NF)	maximum 0.20
Absorbance (210nm) (USP-NF)	maximum 0.30

Absorbance (195nm) (USP-NF)	maximum 1.0
Description (Ph.Eur.)	Colourless liquid
Sp. Gr.(20/20°C) (Ph.Eur.)	0.659~0.663
Refractive index 20°C (Ph.Eur.)	1.375~1.376
Distillation range (67~69°C) (Ph.Eur.)	minimum 95%
Absorbance (260~420nm) (Ph.Eur.)	maximaum 0.01

This product is suited for Hexane for liquid chromatography of general tests on The Japanese Pharmacopoeia.(*:Additional test performed by Wako)USP-NF Reagent Hexanes and Hexane, Solvent, ChromatographicPh. Eur. Reagent Hexane