

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 |

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| 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