

SPECIFICATION

Tetrahydrofuran, Stabilizer Free

for the Japanese Pharmacopoeia General Tests (for Liquid Chromatography)

| REQUIREMENT | SPECIFICATION |
|---|------------------------|
| Description (JP) | Colorless clear liquid |
| Refractive index 20°C (JP) | 1.406~1.409 |
| Density (20°C) (JP) | 0.884~0.889g/mL |
| Absorbance (240nm) (JP) | max.0.35 |
| Absorbance (254nm) (JP) | max.0.20 |
| Absorbance (280nm) (JP) | max.0.05 |
| Absorbance (290nm) (JP) | max.0.02 |
| Absorbance (300~400nm) (JP) | max.0.01 |
| Peroxide (JP) | max.0.01% |
| * Appearance | Colorless clear liquid |
| * Density (20°C) | 0.885~0.888g/mL |
| * Refractive index 20°C | 1.406~1.409 |
| * Absorbance (215nm) | max.1.00 |
| * Absorbance (230nm) | max.0.50 |
| * Absorbance (240nm) | max.0.30 |
| * Absorbance (254nm) | max.0.20 |
| * Absorbance (270nm) | max.0.05 |
| * Absorbance (280nm) | max.0.03 |
| * Absorbance (300~400nm) | max.0.01 |
| * Water | max.0.02% |
| * Acidity (as CH ₃ COOH) | max.0.001% |
| * Peroxides (as H ₂ O ₂) | max.0.01% |
| * Fluorescence test | to pass test |
| * Assay (capillary GC) | min.99.8% |
| Assay (USP-NF) | min.99.9% |
| Color (APHA) (USP-NF) | max.20 |
| Peroxide (as H ₂ O ₂) (USP-NF) | max.0.015% |
| Residue after evaporation (USP-NF) | max.0.03% |
| Water (H ₂ O) (USP-NF) | max.0.05% |

This product is suited for Tetrahydrofuran for liquid chromatography of general tests on The Japanese Pharmacopoeia.
(*:Additional test performed by Wako)(1/2)USP-NF Reagent Tetrahydrofuran, for chromatographic application.(2/2)