



1000 TEDIA WAY
FAIRFIELD, OHIO, 45014, USA
SALES@TEDIA.COM

SPECIFICATIONS

Name: n-Hexane 95%
Catalog No: HA1721
Grade: Absolv

| <u>Test Name</u> | <u>Limits</u> |
|--|------------------|
| Appearance | |
| Colorless | Passes Test |
| Description | |
| Clear colorless liquid free of suspended matter | Passes Test |
| Assay (by GC-FID) | |
| (as C6 Hydrocarbons) | Min 99.5 % |
| (as n-Hexane) | Min 95.0 % |
| Color | Max 10 APHA |
| Density at | |
| 25°C | 0.653-0.673 g/ml |
| Fluorescence at emission maximum for Impurities | |
| (as Quinine sulfate) | Max 1 ppb |
| (as Quinine base) | Max 500 ppt |
| Fluorescence at emission maximum for Impurities at | |
| 250 nm | Passes Test |
| 345 nm | Passes Test |
| 365 nm | Max 1.0 ppb |
| GC-ECD Responsive residue (single peak) | |
| (as Heptachlorepoxyde) | Max 10 ppt |
| (as Heptachlorepoxyde) | Max 5 ng/L |
| GC-FID Responsive residue (single peak) | |
| (as 2-Octanol) | Max 5 ppb |
| Identification by | |
| IR Spectroscopy | Passes Test |
| Infrared Spectroscopy and Refractive Index | Passes Test |
| LC Suitability | Passes Test |
| Initial boiling temperature at 760 mm Hg | Min 68 °C |
| Final boiling temperature at 760 mm Hg | Max 69 °C |
| Refractive Index at | |
| 20°C | 1.373-1.377 |
| 25°C | 1.3710-1.3750 |
| Residue after Evaporation | Max 1 ppm |
| Sulfur compounds | |
| (as Sulfur) | Max 0.005 % |
| Thiophene | Passes Test |
| Trace Organic Impurity | |
| (Benzene) | Max 1 ppm |

This product is manufactured by Tedia Company, LLC certified to ISO 9001:2015 (Quality Management System) by PJR.



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| | |
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| Trace phthalate impurities (Diethyl Phthalate) | Max 10 ppb |
| Water (by KF coulometry) | Max 0.01 % |
| Water soluble titrable acid | Max 0.0003 meq/g |
| UV cut-off | Max 190 nm |
| Optical Absorbance at | |
| 195 nm | Max 1.000 AU |
| 200 nm | Max 0.500 AU |
| 210 nm | Max 0.200 AU |
| 214 nm | Max 0.30 AU |
| 220 nm | Max 0.050 AU |
| 230 nm | Max 0.01 AU |
| 240 nm | Max 0.02 AU |
| 250 nm | Max 0.010 AU |
| 254 nm | Max 0.005 AU |
| 270 nm | Max 0.005 AU |
| 280 nm | Max 0.005 AU |
| 400 nm | Max 0.005 AU |
| Hydrocarbon Isomer | |
| (2- Methyl Butane) | Report Only |
| (2,2-Dimethyl Butane) | Report Only |
| (n-Pentane) | Report Only |
| (2-MethylPentane, 2,3-Dimethyl Butane, and Cyclopentane) | Report Only |
| (3-MethylPentane) | Report Only |
| (Methyl Cyclopentane) | Report Only |
| (Cyclohexane) | Report Only |

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