



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

## SPECIFICATIONS

Name: n-Heptane 99%  
Catalog No: HS1712  
Grade: HPLC/Spectro

<u>Test Name</u>	<u>Limits</u>
Description	Passes Test
Clear colorless liquid free of suspended matter	
Assay (by GC-FID)	
(as n-Heptane)	Min 99.00 %
(Heptane isomers and methylcyclohexane)	Min 99.90 %
Initial boiling temperature at 760 mm Hg	Min 94.5 °C
Final boiling temperature at 760 mm Hg	Max 99 °C
Color	Max 10 APHA
Fluorescence at emission maximum for Impurities (as Quinine sulfate)	Max 1.0 ppb
Fluorescence at emission maximum for Impurities at	
254 nm	Max 1.0 ppb
345 nm	Max 1.0 ppb
365 nm	Max 1.0 ppb
GC-ECD Responsive residue (single peak) (as Heptachlorepoxyde)	Max 5 ppt
Water soluble titrable acid (as Acetic acid)	Max 0.001 %
GC-ECD Fisher method (single peak) (as Heptachlorepoxyde)	Max 10 ppt
Identification by	
IR Spectroscopy	Passes Test
Residue after Evaporation	Max 1 ppm
Refractive Index at	
20°C	1.3850-1.3890
25°C	1.3845-1.3865
Sulfur compounds (as Sulfur)	Max 0.005 %
Thiophene	Passes Test
Substances Darkened by Sulfuric acid	Passes Test
Water	
(by KF coulometry)	Max 0.010 %
Water soluble titrable acid	Max 0.0003 meq/g
UV cut-off	Max 197 nm
Optical Absorbance at	
197 nm	Max 1.00 AU
200 nm	Max 0.70 AU

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



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### Test Name

210 nm  
220 nm  
225 nm  
230 nm  
245 nm  
250 nm  
254 nm  
260 nm  
270 nm  
280 nm  
300 nm  
400 nm

### Limits

Max 0.40 AU  
Max 0.10 AU  
Max 0.10 AU  
Max 0.05 AU  
Max 0.01 AU  
Max 0.01 AU  
Max 0.01 AU  
Max 0.01 AU  
Max 0.005 AU  
Max 0.01 AU  
Max 0.005 AU  
Max 0.005 AU

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