



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

SPECIFICATIONS

Name: n-Heptane 99%
Catalog No: HA1708
Grade: Absolv

Test Name

Limits

Description

Clear colorless liquid free of suspended matter

Passes Test

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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SPECIFICATIONS

Name: n-Heptane 99%
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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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