

Hexanes (95% n-Hexane)
UltimAR®
Suitable for Liquid Chromatography, Extract/Conc,
UV-Spectrophotometry, Organic Residue Analysis



Material No.: H487-06
Revision No.: 0

Product Specification

Test	Specification
ACS – Assay (sum of 5 isomers, total hexanes, plus methylcyclopentane)(by GC)	≥ 99.5 %
ACS – Assay (as n-hexane) (by GC, corrected for water)	≥ 95.0 %
ACS – Color (APHA)	≤ 10
ACS – Residue after Evaporation	≤ 0.0001 %
ACS – Sulfur Compounds (as S)	≤ 0.005 %
ACS – Thiophene	Passes Test
ACS – Water (H ₂ O)(by Karl Fischer titrn)	≤ 0.01 %
ACS – Water-Soluble Titrable Acid (meq/g)	≤ 0.0003
Ultraviolet Absorbance (1.00-cm cell vs. water) – 195 nm	≤ 1.00
Ultraviolet Absorbance (1.00-cm cell vs. water) – 210 nm	≤ 0.20
Ultraviolet Absorbance (1.00-cm cell vs. water) – 220 nm	≤ 0.07
Ultraviolet Absorbance (1.00-cm cell vs. water) – 230 nm	≤ 0.05
Ultraviolet Absorbance (1.00-cm cell vs. water) – 240 nm	≤ 0.04
Ultraviolet Absorbance (1.00-cm cell vs. water) – 250 nm	≤ 0.02
Ultraviolet Absorbance (1.00-cm cell vs. water) – 254 nm	≤ 0.005
Ultraviolet Absorbance (1.00-cm cell vs. water) – 280 – 400 nm	≤ 0.005
Fluorescence Trace Impurities, measured as Quinine Base – at 450 nm Emission	≤ 0.3 ppb
Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities	≤ 1.0 ppb
ECD Sensitive Impurities (as Heptachl or Epoxide) Single Peak (ng/L)	≤ 10 ppb
FID Sensitive Impurities (as 2-Octano l) Single Peak (µg/L)	≤ 5 ppb
FID – Sum of the Peaks (µg/L)	≤ 10
ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL)	≤ 5
Neat Solvent Front Characterization – Largest Peak, 0–0.4 x RT (ng/mL)	

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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Test

Specification

For Laboratory, Research, or Manufacturing Use
Filtered through a 0.2 micron filter.
Packaged under Nitrogen

Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

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