



Hexanes (95% n-Hexane) UltimAR

Product No. H487
Specifications current as of: Jun 8 2011

TEST	SPECIFICATION
Meets A.C.S. Specifications for Liquid Chromatography and UV Spectrophotometry	
Assay (sum of 5 isomers, total hexanes, plus methylcyclopentane)(by GC, corrected for water)	min. 99.5 %
Assay (as n-hexane) (by GC, corrected for water)	min. 95.0 %
Color (APHA)	max. 10
Residue after Evaporation	max. 0.0001 %
Sulfur Compounds (as S)	max. 0.005 %
Thiophene	Passes Test
Water (H ₂ O)(by Karl Fischer titrn)	max. 0.01 %
Water-Soluble Titrable Acid (meq/g)	max. 0.0003
Ultraviolet Absorbance (1.00-cm cell vs. water):	
195 nm	max. 1.00
210 nm	max. 0.20
220 nm	max. 0.07
230 nm	max. 0.05
240 nm	max. 0.04
250 nm	max. 0.02
254 nm	max. 0.005
280 - 400 nm	max. 0.005
Fluorescence Trace Impurities, in ppb, measured as Quinine Base:	
at 450 nm Emission	max. 0.3
at Emission Maximum for Impurities	max. 1.0
GC-ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (ng/L)	max. 10
GC-FID Sensitive Impurities (as 2-Octanol) Single Peak (µg/L)	max. 5
Sum of the Peaks (µg/L)	max. 10
Neat Solvent Front Characterization	
Single Impurity Peak (ng/mL)	max. 5
Largest Peak, 0-0.4 x RT (ng/mL)	Performance Only
Filtered through a 0.2 micron filter.	
Packaged under Nitrogen	
Product Information (not specifications):	

Appearance (clear, colorless solution)

For Laboratory, Research or Manufacturing Use

For a Certificate of Lot Analysis, visit www.avantormaterials.com.
