

**CERTIFICATE OF ANALYSIS**

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global Certificate Number. QMS42099

Catalogue Number 44572  
 Lot Number 2199447  
 Description n-Hexane 97+%, for HPLC ACS meets req.of Reag.Ph.Eur.  
 CAS Number 110-54-3  
 Quality Test/Release Date 06/Jan/2022  
 Expiry Phrase Use within 2 years of opening  
 Country of Origin Germany

Result Name	Units	Specifications	Test Value
Absorbance @ 200 nm	A.U.	<= 0.7	0.38
Absorbance @ 210 nm	A.U.	<= 0.25	0.136
Absorbance @ 220 nm	A.U.	<= 0.07	0.024
Absorbance @ 230 nm	A.U.	<= 0.03	0.015
Absorbance @ 240 nm	A.U.	<= 0.01	0.008
Absorbance @ 250 nm	A.U.	<= 0.005	0.008
Absorbance @ 260 nm	A.U.	<= 0.005	0.006
Absorbance @ 420 nm	A.U.	<= 0.005	0
Acidity	meq/g	<= 0.0002	0.00002
Assay (GC)	%	>= 97	98.47
Chemical form		Mobile liquid	Mobile liquid
Colour	APHA	<= 10	<5
Density @ 20C (g/ml)	g	>= 0.659 and <= 0.663	0.66
GC (sum of 5 isomers,total hexanes plus methylcyclopentane)	%	>= 98.5	99.99
Refractive index @ 20C, 589nm		>= 1.375 and <= 1.376	1.375
Residue after evaporation (ppm)	ppm	<= 5	None Detected
Sulfur compounds (S)	%	<= 0.005	0.0001
Thiophene		Must be 'Pass'	Pass
Visual colour		Clear colourless	Clear colourless
Water	%	<= 0.1	0.004
Water soluble titr.Acid	meq/g	<= 0.0003	0.00005

*A. Ganatra*

Ashok Ganatra  
Supervisor, QC

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.