

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 2190828
Description n-Hexane 97+%, for HPLC ACS meets req.of Reag.Ph.Eur.
CAS Number 110-54-3
Quality Test/Release Date 29/Jul/2021
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 | 0.129 |
| Absorbance @ 210 nm | A.U. | <= 0.25 | 0.044 |
| Absorbance @ 220 nm | A.U. | <= 0.07 | 0.009 |
| Absorbance @ 230 nm | A.U. | <= 0.03 | 0.006 |
| Absorbance @ 240 nm | A.U. | <= 0.01 | 0.003 |
| Absorbance @ 250 nm | A.U. | <= 0.005 | 0.001 |
| Absorbance @ 260 nm | A.U. | <= 0.005 | 0.001 |
| Absorbance @ 420 nm | A.U. | <= 0.005 | 0 |
| Acidity | meq/g | <= 0.0002 | 0.00004 |
| Assay (GC) | % | >= 97 | 99.11 |
| Chemical form | | Mobile liquid | Mobile liquid |
| Colour | APHA | <= 10 | <10 |
| Density @ 20C (g/ml) | g | >= 0.659 and <= 0.663 | 0.6592 |
| GC (sum of 5 isomers,total hexanes plus methylcyclopentane) | % | >= 98.5 | 99.99 |
| Refractive index @ 20C, 589nm | | >= 1.375 and <= 1.376 | 1.376 |
| 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 | 0.00007 |

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.