# ThermoFisher SCIENTIFIC

## 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 | 2539324 |
| Description | n-Hexane 97+%, for HPLC ACS meets req.of Reag.Ph.Eur. |
| CAS Number | 110-54-3 |
| Quality Test/Release Date | 23/May/2025 |
| Expiry Phrase | Use within 2 years of opening |
| Country of Origin | Italy |

| Result Name | Units | Specifications | Test Value |
|---|---|---|---|
| Absorbance @ 200 nm | A.U. | <= 0.7 | 0.307 |
| Absorbance @ 210 nm | A.U. | <= 0.25 | 0.106 |
| Absorbance @ 220 nm | A.U. | <= 0.07 | 0.02 |
| Absorbance @ 230 nm | A.U. | <= 0.03 | 0.009 |
| Absorbance @ 240 nm | A.U. | <= 0.01 | 0.006 |
| Absorbance @ 250 nm | A.U. | <= 0.005 | 0.005 |
| Absorbance @ 260 nm | A.U. | <= 0.005 | 0.002 |
| Absorbance @ 420 nm | A.U. | <= 0.005 | 0 |
| Acidity | meq/g | <= 0.0002 | 0.00004 |
| Assay (GC) | % | >= 97 | 98.13 |
| Chemical form | | Mobile liquid | Mobile liquid |
| Colour | APHA | <= 10 | <5 |
| Density @ 20C (g/ml) | g | >= 0.659 and <= 0.663 | 0.6599 |
| GC (sum of 5 isomers,total hexanes plus methylcyclopentane) | % | >= 98.5 | 100.00 |
| 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 | 0.00003 |

*A.Ganatra*

Ashok Ganatra
Supervisor, QC

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.