

## 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          | 32573   |
| Lot Number                | 2543158   |
| Description               | Acetonitrile, 99.9 % for HPLC gradient grade ACS meets req. of Reag. Ph. Eur. HPLC for Far UV/gradient analysis |
| CAS Number                | 75-05-8   |
| Quality Test/Release Date | 01/Jul/2025   |
| Expiry Phrase             | Use within 3 years of opening   |
| Country of Origin         | China   |

| Result Name                                      | Units | Specifications        | Test Value       |
|--|-------|-----------------------|------------------|
| Absorbance @ 190 nm                              | A.U.  | <= 1                  | 0.716            |
| Absorbance @ 195 nm                              | A.U.  | <= 0.1                | 0.093            |
| Absorbance @ 200 nm                              | A.U.  | <= 0.05               | 0.036            |
| Absorbance @ 205 nm                              | A.U.  | <= 0.05               | 0.023            |
| Absorbance @ 210 nm                              | A.U.  | <= 0.02               | 0.016            |
| Absorbance @ 220 nm                              | A.U.  | <= 0.01               | 0.008            |
| Absorbance @ 230 nm                              | A.U.  | <= 0.005              | 0.005            |
| Absorbance @ 240 nm                              | A.U.  | <= 0.005              | 0.003            |
| Absorbance @ 250 nm                              | A.U.  | <= 0.005              | 0.001            |
| Absorbance @ 254 nm                              | A.U.  | <= 0.005              | 0                |
| Absorbance @ 420 nm                              | A.U.  | <= 0.005              | 0                |
| Acidity  | meq/g | <= 0.0008             | 0.00002          |
| Alkalinity (meq/g)                               | meq/g | <= 0.0006             | None Detected    |
| Assay (GC)                                       | %     | >= 99.85              | 100.00           |
| Chemical form                                    |       | Mobile liquid         | Mobile liquid    |
| Colour   | APHA  | <= 10                 | <5               |
| Density @ 20C (g/ml)                             | g     | >= 0.78 and <= 0.783  | 0.7821           |
| Gradient analysis (max. eluted peak)             | A.U.  | <= 0.01               | None Detected    |
| Gradient analysis Absorbance largest eluted peak | A.U.  | <= 0.01               | None Detected    |
| LC suitability                                   |       | Must be 'Pass'        | Pass             |
| LC suitability Gradient Elution                  |       | Must be 'Pass'        | Pass             |
| Refractive index @ 20C, 589nm                    |       | >= 1.343 and <= 1.345 | 1.3438           |
| Residue after evaporation (ppm)                  | ppm   | <= 2                  | None Detected    |
| Visual colour                                    |       | Clear colourless      | Clear colourless |
| Water  | %     | <= 0.01               | 0.004            |

**Additional Information** Filtered through 0.2 micron



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.

