**Thermo Fisher Scientific**
**Ward Hill, MA-Sites**
30 Bond Street
Ward Hill
MA 01835

220 Neck Road
Ward Hill
MA 01835

38 Shelley Road
Ward Hill
MA 01835

# CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.
Certificate Number. 951001163

| | |
|---|---|
| Catalogue Number | 047146 |
| Lot Number | T14J787 |
| Description | Water, LC-MS Grade |
| CAS Number | 7732-18-5 |
| Quality Test/Release Date | 23/Apr/2026 |
| Suggested retest date | 23/Apr/2028 |
| Country of Origin | United States |
| Declaration of Origin | Synthetic |
| BSE/TSE | Not directly derived from or manufactured with any animal byproducts in any way (including but not limited to fermentation or nutrient broth, catalysts, enzymes). |

| Result Name | Units | Specifications | Test Value |
|---|---|---|---|
| Comment | | LC gradient elution suitability at 254nm: Passes Test | Passes test |
| Comment | ppb | Fluorescence at emission maximum for impurities (as Quinine base):≤ 1 ppb | <0.3 |
| LCMS | ppb | Positive mode (as Propazine): ≤50ppb | <50 |
| LCMS | ppb | Negative mode (as Chloramphenicol): ≤50ppb | <50 |
| Residue on Evaporation | ppm | ≤1 ppm | 0.6 |
| Refractive Index | | 1.3325 to 1.3335 | 1.3330 |

Derek Roy
Quality Manager, LCD

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 and development use only. 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.