

# Certificate of Analysis

Product name: Marine Nitrate HR Reagent  
 Product code: HI782-0  
 Lot number: 0652  
 Issuing date: 2024-08-02  
 Expiration date: July 2029

Reference meter: Perkin Elmer reference spectrometer (reported values are traceable to NIST 930e SN 2370).

Reference standards: Standard nitrate solutions prepared from certified stock solution; the method is an adaptation of Standard Methods for the Examination of Water and Wastewater method, 4500-N03- E. All standards are prepared in a temperature conditioned environment at 20 °C using Deionized Water for analytical use ISO3696 / BS3978, balances periodically checked with certified weights and Class-A glassware.

Uncertainty U: The uncertainty interval represents the expanded uncertainty U with a coverage factor of 2 and represents the 95% level of confidence.

Specifications:

Standard Value [ppm]	Target value [ppm]	Mean value [ppm]	Passed
0.0	0.0 ÷ 2.0	0.0	√
15.0	12.3 ÷ 17.7	15.0	√
60.0	55.1 ÷ 64.9	58.2	√

QA manager: Eugenia Tulbure/Engineer  
[Name/Title of signatory]

Signature: 