

## Certificate of Analysis

Product name: BUFFER SOLUTION  
pH  $12.00 \pm 0.01$  @ 25 °C (77 °F)  
Product code: HI5012  
Lot number: 7107  
Best use before: October 2026  
Date of analysis: 2021.10.27  
Certified value: 12.00 pH @ 25 °C (77 °F)

### *Method of standardization:*

*This quality product is standardized using a pH meter calibrated by means of two standard solutions prepared from below NIST standard reference materials:*

- > SRM 191d-I / SRM 191d-II mixture and*
- > SRM 2193a*

*All primary standard solutions used are prepared with deionized water for analytical use ISO 3696 / BS 397B.*

*Balances and thermometers used are checked with certified reference materials.*

### *Uncertainty U:*

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

Reference number: 26113  
QA manager: Eugenia Tulbure



QC\_HI5012x\_rev.1