

# Certificate of Analysis

**Material Number:** 30021.290  
**Material description :** Hydrochloric acid 0.4 mol/l (0.4 N)  
**Grade :** AVS TITRINORM®  
**Lot Number :** 2503895  
**Use by\* :** 2026-Dec-1  
**Date of Quality Control :** 2025-Dec-1  
**Date of Manufacture :** 2025-Dec-1  
**CAS Number :** 7647-01-0  
**Molecular weight:** 36.46  
**Molecular formula:** HCl

Characteristics	Specifications	Measured values
Titer (20°C; real value 0.2 % accuracy)	0,3992 -> 0,4008 mol/l	0,4004 mol/l

## Signature

We certify that this batch conforms to the specifications listed above. This document has been produced electronically and is valid without a signature.

Signed on behalf of VWR      2025-Dec-1  
O Bringer  
Quality Control Manager

## Other information

\*The use by date is the date to which VWR guarantees the above specification will be met for the product in an unopened container stored under recommended conditions.