

### Certificate of Analysis

**Product: Hydrochloric Acid 31%**  
**Item Number: HCLL31**  
**Grade: Lab**  
**Lot Number: 5000750/1.1**  
**Manufacture Date: 05/29/2024**  
**Expiration Date: 05/28/2026**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Hydrochloric Acid	31.50 - 32.90 %	32.03
Specific Gravity @ 60°F	Min 1.1602	1.1631
Baume, °	Min 20.00	20.33
Color (APHA)	0 - 20	5
Appearance	Clear	Pass
Iron	Max 3.0 ppm	1.9
Sulfate	Max 60 ppm	5.43

Meets ASTM E 1146 Specifications.

#### [Hydrochloric Acid 31%](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

This document was electronically issued and is therefore valid without a signature.