

### Certificate of Analysis

**Product: Hydrochloric Acid 31%**

**Item Number: HCLL31**

**Grade: Lab**

**Lot Number: 5001032/1.4**

**Manufacture Date: 11/12/2024**

**Expiration Date: 11/11/2027**

**Country of Origin: United States**

| Tested Property         | Specification   | Analysis |
|-------------------------|-----------------|----------|
| Hydrochloric Acid       | 31.50 - 32.90 % | 32.03    |
| Specific Gravity @ 60°F | Min 1.1602      | 1.1634   |
| Baume, °                | Min 20.00       | 20.37    |
| Color (APHA)            | 0 - 20          | 10       |
| Appearance              | Clear           | Pass     |
| Iron                    | Max 3.0 ppm     | 1.0      |
| Sulfate                 | Max 60 ppm      | 0.0      |

Meets ASTM E 1146 Specifications.

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

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