

### Certificate of Analysis

**Product: Hydrofluoric Acid 48%**  
**Item Number: C4358**  
**Grade: ACS**  
**Lot Number: 230210-A**  
**Manufacture Date: 11/01/2022**  
**Expiration Date: 10/31/2024**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Assay (HF)	48-51%	49.0%
Color	10	10
Residue after Ignition	5 ppm	<5ppm
Chloride (Cl)	≤5 ppm	< 5 ppm
Arsenic (As)	≤0.05 ppm	0.03 ppm
Copper	≤0.1 ppm	0.05ppm
Heavy Metals (asPb)	≤0.1 ppm	0.1ppm
Iron (Fe)	≤0.5 ppm	<0.5 ppm
Sulfate & Sulfite	≤5 ppm	<5 ppm
Fluorosilicic acid	≤0.01%	<0.01%

#### [Hydrofluoric Acid 48%](#)

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.

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