

## Certificate of Analysis

**Product: Hydrofluoric Acid 48%**  
**Item Number: C4358**  
**Grade: ACS Grade**  
**Lot Number: 230512-2A**  
**Manufacture Date: 11/01/2022**  
**Expiration Date: 11/01/2024**  
**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)	â‰±5 ppm	< 5 ppm
Arsenic (As)	â‰±0.05 ppm	0.03 ppm
Copper	â‰±0.1 ppm	0.05ppm
Heavy Metals (asPb)	â‰±0.1 ppm	0.1ppm
Iron (Fe)	â‰±0.5 ppm	<0.5 ppm
Sulfate & Sulfite	â‰±5 ppm	<5 ppm
Fluorosilicic acid	â‰±0.01%	<0.01%

### Hydrofluoric Acid 48%

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