



CERTIFICATE OF ANALYSIS

Product: Hydrofluoric Acid, 49%, ACS Reagent Grade
Catalog Number: H1023, CF1043
Lot Number: 751015
Manufacture Date: 10/2025
Retest Date: 10/2027
CAS #: 7664-39-3
Chemical Formula: HF
Formula Weight: 20.01
Density: 1.15-1.18

<u>TEST</u>	<u>MAXIMUM LIMITS</u>	<u>RESULT</u>
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	48-51%	49.13%
Fluosilicic Acid (H ₂ SiF ₆)	0.01%	< .01%
Residue after Ignition	5 ppm	< .5 ppm
Chloride (Cl)	5 ppm	< 1 ppm
Phosphate (PO ₄)	1 ppm	< .5 ppm
Sulfate & Sulfite (as SO ₄)	5 ppm	< 1 ppm
Arsenic (As)	0.05 ppm	< .001 ppm
Copper (Cu)	0.1 ppm	< .05 ppm
Heavy Metals (as Pb)	0.5 ppm	< .05 ppm
Iron (Fe)	1 ppm	< .1 ppm



It is certified on 01/14/26 that the above is a true copy of the actual lot analysis.

A handwritten signature in black ink that reads "Grant Christen". The signature is written in a cursive style and is positioned above a horizontal line.

Grant Christen
Quality Systems and Regulatory Affairs
Rocky Mountain Reagents, Inc.

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