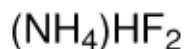


# Certificate of Analysis

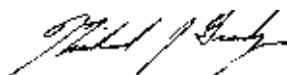
Product Name:

Ammonium hydrogen difluoride - 99.999% trace metals basis

**Product Number:** 455830  
**Batch Number:** MKCP0859  
 Brand: ALDRICH  
 CAS Number: 1341-49-7  
 MDL Number: MFCD00012018  
 Formula: H5F2N  
 Formula Weight: 57.04 g/mol  
 Quality Release Date: 18 FEB 2021



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystals	Crystals
X-Ray Diffraction	Conforms to Structure	Conforms
Gravimetric Analysis % F with Lead Acetate	64.9 - 68.3 %	66.8 %
Purity 99.999% Based On Trace Metals Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 15.0 ppm	5.8 ppm
Barium (Ba)		< 0.1 ppm
Calcium (Ca)		0.3 ppm
Iron (Fe)		0.1 ppm
Magnesium (Mg)		< 0.1 ppm
Strontium (Sr)		0.1 ppm
Tungsten (W)		0.5 ppm
Zinc (Zn)		3.5 ppm
Zirconium (Zr)		1.2 ppm



Michael Grady, Manager  
 Quality Control  
 Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

