



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Certificate of Analysis (Ammonium Fluoride)

Issue Date: 20 FEB 2026 Quality Release Date: 20 FEB 2026

Product Name

Ammonium Fluoride 氟化铵

Product Information

Product Number AF-20260220

Batch Number AF-SH2026022001

Brand SIGALD

CAS Number 12125-01-8

MDL Number MFCD00011420

Formula NH_4F

Formula Weight 37.04 g/mol

Form White crystalline powder, hygroscopic

Test Results

Test	Specification (Industrial Grade Standard)	Result	Unit	Test Method
Appearance (Color/Form)	White crystalline powder, no visible impurities	Conforms	-	Visual Inspection (25°C)
Assay (NH_4F , on dry basis)	$\geq 98.0\%$	98.7%	%	Volumetric Titration (Fluoride Ion Selective Electrode Method)
Water Insoluble Matter	$\leq 0.05\%$	0.02%	%	Gravimetric Method (Filtration & Drying)
Chloride (Cl^-)	$\leq 0.01\%$	0.004%	%	Nitric Acid Silver Titration
Sulfate (SO_4^{2-})	$\leq 0.01\%$	0.003%	%	Turbidimetric Method with Barium Sulfate
Heavy Metals (Pb)	≤ 5 ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	$\leq 0.005\%$	0.001%	%	Colorimetric Method with Thiocyanate
Loss on Drying (105°C, 2h)	$\leq 1.0\%$	0.35%	%	Gravimetric Method
pH Value (5% aq. solution, 25°C)	4.0 ~ 6.0	5.1	-	Digital pH Meter
Fluorosilicate (SiF_6^{2-})	$\leq 0.5\%$	0.18%	%	Spectrophotometric Method

Certification

This batch of product has been tested in accordance with the industrial grade standards for Ammonium Fluoride and meets all specified requirements. It is qualified for use in chemical synthesis, electronic etching, metallurgy and other industrial fields.