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## Product Specification

Product Name:  
Sodium fluoride – ACS reagent, ≥99%

**Product Number:** 201154  
**CAS Number:** 7681-49-4  
**MDL:** MFCD00003524  
**Formula:** FNa  
**Formula Weight:** 41.99 g/mol

NaF

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
X-Ray Diffraction	Conforms to Structure
Purity (Titration by NAOH)	≥ 99.0 %
Loss on Drying	≤ 0.3 %
Insoluble matter	≤ 0.02 %
Chloride Content	≤ 0.005 %
Iron (Fe)	≤ 0.003 %
Heavy Metal (as Lead) as Lead	≤ 0.003 %
Potassium (K)	≤ 0.02 %
Assay (Sodium Fluosilicate) % Sodium Fluosilicate	≤ 0.1 %
Sulfite	≤ 0.005 %
Sulfate	≤ 0.03 %
Titration Acid (meq/g)	≤ 0.03
Titration Base (meq/g)	≤ 0.01
Meets ACS Requirements	Current ACS Specification
Recommended Retest Period 2 Years	-----

Specification: PRD.0.ZQ5.10000019536

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. 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.