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Product Specification

Product Name:
Potassium fluoride – ACS reagent, ≥99.0%

Product Number: 402931
CAS Number: 7789-23-3
MDL: MFCD00011398
Formula: FK
Formula Weight: 58.10 g/mol

KF

TEST	Specification
Appearance (Color)	White
Appearance (Form) Crystals, Powder or Crystalline Powder and/or Chunks	Conforms to Requirements
X-Ray Diffraction	Conforms to Structure
Sodium (Na)	≤ 0.2 %
Iron (Fe)	≤ 0.001 %
Heavy Metals (by ICP-OES)	≤ 0.001 %
Purity (Titration by NaOH)	≥ 99.0 %
Assay % K ₂ SiF ₆	≤ 0.10 %
Chloride Content	≤ 0.005 %
Sulfate (SO ₄)	≤ 0.005 %
Titration Acid (meq/g)	≤ 0.03
Titration Base (meq/g)	≤ 0.01
Meets ACS Requirements	Current ACS Specification

Specification: PRD.2.ZQ5.10000019108

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.