

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-23 17:02:37

Date of Next Testing: 2027-02-22 17:02:37

Product Name: **Potassium fluoride**

CAS Number: 7789-23-3

Specifications &amp; Purity: ACS, ≥99%

Lot #: B2418472

SKU #: **P434123**

Version: **1**

Analysis #: **308138**

Storage Temperature: Argon charged

| Parameter                                | Limit Values                                           | Result                                                 |
|------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Sodium(Na)                               | 0-0.2 (%)                                              | 0.03 %                                                 |
| Iron(Fe)                                 | 0-0.001(%)                                             | 0.00 %                                                 |
| Heavy Metals (by ICP-OES)                | 0-0.001 (%)                                            | 0.00003 %                                              |
| Purity (Titration by NaOH)               | 99-102.5 (%)                                           | 99.08 %                                                |
| Chloride Content                         | 0-0.005 (%)                                            | 0.00 %                                                 |
| Sulfate(SO4)                             | 0-0.005 (%)                                            | 0.00000 %                                              |
| Titration Acid                           | 0-0.03 (meq/g)                                         | 0.00000 meq/g                                          |
| Titration Base                           | 0-0.01 (meq/g)                                         | 0.00000 meq/g                                          |
| Assay (K <sub>2</sub> SiF <sub>6</sub> ) | 0-0.1 (%)                                              | 0.06000 %                                              |
| Appearance(P434123)                      | White Crystals, Powder or Crystalline Powder or Chunks | White Crystals, Powder or Crystalline Powder or Chunks |
| X-Ray Diffraction                        | Conforms to Structure                                  | Conforms to Structure                                  |



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager