

## Technical Data Sheet

### Potassium fluoride

#### Compound Information

|                    |                    |
|--------------------|--------------------|
| Product Name:      | Potassium fluoride |
| CAS No.:           | 7789-23-3          |
| Molecular Formula: | FK                 |
| Molecular Weight:  | 58.1               |
| Storage:           | Store at RT        |
| Revision Date:     | 2026-04-15         |



#### Analytical Information

| Tests                   | Specifications                                                                           |
|-------------------------|------------------------------------------------------------------------------------------|
| Appearance              | White solid                                                                              |
| Solubility              | H <sub>2</sub> O: 1 M at 20 °C, clear, colorless                                         |
| Melting Point           | 858 °C (lit.)                                                                            |
| Heavy Metals            | ≤0.001% (as Pb)                                                                          |
| Anion                   | Chloride (Cl-) : ≤0.005% Sulfate (SO <sub>4</sub> <sup>2-</sup> ) : ≤0.005%              |
| Cation                  | Iron (Fe) : ≤0.001% Sodium (Na) : ≤0.2%                                                  |
| Titration Acid          | ≤ 0.03 meq/g                                                                             |
| Titration               | ≤ 0.01 meq/g (base)                                                                      |
| Assay by titration      | ≥ 99%                                                                                    |
| Specification Reference | ACS reagent                                                                              |
| Additional Information  | Potassium fluosilicate (K <sub>2</sub> SiF <sub>6</sub> ): ≤0.1% For Laboratory Use Only |
| <a href="#">IR</a>      | Pass test                                                                                |

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