

## Aluminium Fluoride (AlF<sub>3</sub>)

<b>Product name:</b> Aluminium Fluoride	<b>CAS No.:</b> 7784-18-1
<b>Molecular formula:</b> AlF <sub>3</sub>	<b>Molecular weight:</b> 83.97 g/mol
<b>Class:</b> Non-Hazardous	<b>Country of Origin:</b> China

## Technical Index

Item	Unit	Standard-HBD	Standard-LBD
Content [AlF <sub>3</sub> ]	% ≥	90.00	90.00
Aluminium	% ≥	30.00	30.00
Fluoride [F]	% ≥	60.00	60.00
Silica [SiO <sub>2</sub> ]	% ≤	0.35	0.35
SO <sub>4</sub>	% ≤	0.60	0.60
Phosphorus pentoxide [P <sub>2</sub> O <sub>5</sub> ]	% ≤	0.04	0.04
Iron sesquioxide [Fe <sub>2</sub> O <sub>3</sub> ]	% ≤	0.10	0.10
Moisture [H <sub>2</sub> O]	% ≤	0.30	0.30
L.O.I 550°C	% ≤	2.50	2.50
Bulk Density	% ≤	1.30-1.60	0.70-1.0

## Uses:

1. Aluminum fluoride is used by aluminum producers to lower the melting point of electrolytes in the smelting process and increase production efficiency.
2. Aluminum Fluoride used as a flux in welding applications, and in ceramic glazes and enamels. Together with zirconium fluoride, Aluminium fluoride is an ingredient for the production of fluoroaluminate glasses.



**Packing:** 1000 kg/jumbo bag