



MASTERCHEM LIMITED

ALUMINIUM FLUORIDE

SYNONYM: ALUMINUM TRIFLUORIDE

FORMULA: AlF_3

M. W.: 84

CAS NO.: 7784-18-1

GRADE: GB/T4292-1999

DESCRIPTION: IT IS WHITE NEEDLE CRYSTAL. SPECIFIC GRAVITY IS $2.88\text{-}3.13\text{g/cm}^3$

SPECIFICATIONS:

ITEM	SPECIAL GRADE 1	SPECIAL GRADE 2	GRADE 1	GRADE 2
F %	61 MIN.	60 MIN	58 MIN	57 MIN.
AL %	30.0 MIN.	30.0 MIN.	28.5 MIN.	28.0 MIN.
Na %	0.5 MAX.	0.5MAX.	3.0 MAX.	3.5 MAX.
SiO_2 %	0.28 MAX.	0.30 MAX.	0.30 MAX.	0.35 MAX.
Fe_2O_3 %	0.10 MAX.	0.13 MAX.	0.13 MAX.	0.15 MAX.
SO_4^{2-} %	0.5 MAX.	0.8 MAX.	1.1 MAX.	1.2 MAX.
P_2O_5 %	0.04 MAX	0.04 MAX	0.04 MAX	0.04 MAX
WATER (550°C,1H) %	0.5 MAX.	1.0 MAX.	6.0 MAX.	7.0 MAX

USES: MAINLY USED TO ADJUST THE MOLECULAR RATIO IN ALUMINIUM ELECTROBATH, LOWER THE SMELTING POINT OF MEDIA AND INCREASE THE CONDUCTIVITY OF ELECTROLYTE. IT IS ALSO USED AS THE INHIBITOR IN ALCOHOLIC FERMENTATION, THE FLUX OF VITREOUS ENAMEL AROUND THE CERAMICS AND THE FLUX OF THE NON-IRON METAL ETC.

PACKING: 40KG NET IN WOVEN BAGS WITH KRAFT AND PLASTIC LINER.

e-Mail: export@chinamasterchem.com

Web Site: www.chinamasterchem.com