



上海威鹏化工有限公司

WPA Chemicals LIMITED

Aluminium Sulphate

Formula: $\text{Al}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$

Relative Molecular Weight: 342.15

Product name: Aluminium Sulphate or Aluminum Sulfate

Shape: Flakes or Granular or Powder.

EINECS NO.: 233-135-0

CAS No.: 10043-01-3

HS.Code: 28332200

Molecular Formula: $\text{Al}_2(\text{SO}_4)_3$

Appearance: white or light green, grey

Apt to cake after moisture absorption when laid in air for a long time.

A little green because of Fe^{2+} , yellow when Fe^{2+} is oxidized to Fe^{3+} .

Soluble in water easily, and water solution is acid.

Application:

1) Water effluent treatment system. It's used for purification of drinking water and wastewater treatment by settling of impurities by means of precipitation and flocculation.

2) Paper Industry. It helps in sizing of paper at neutral and alkaline pH, thus improving paper quality (reducing spots and holes and improving sheet formation and strength) and sizing efficiency.

3) Textile Industry. It is used for color fixing in Naphthol based dyes for cotton fabric.

4) Other Uses. Leather tanning, lubricating compositions, fire retardants; decolorizing agent in petroleum, deodorizer; food additive; firming agent; dyeing mordant; foaming agent in firefighting foams; fireproofing cloth; catalyst; pH control; waterproofing concrete; aluminum compounds, zeolites etc.

Packaging: PP/PE 50kg/bag; 25kg/bag; 25MT /20'FCL container.

Storage: The product is liable to absorb moisture and clot due to long-term exposure, so shady, cool and ventilated environment is needed.





Standard No. For Drinking Water Treatment: HG2227-2004

Project name	Standard indicators	Lotus alum Test results
AL ₂ O ₃	15.6%	15.9%
Fe	0.5%	0.20%
PH Value	3.0	3.10
Water Insoluble Matter	0.15%	0.08%
AS	0.0004%	0.0002%
Pb	0.001%	0.0006%
Hg	0.00002%	0.000008%
Cr(VI)	0.001%	0.0003%
Cd	0.0002%	0.00008%

Standard No. For Industrial Water Treatment: HG/T2225-2010

Project name	Standard indicators	Lotus alum Test results
AL ₂ O ₃	15.6%	15.8%
Fe	0.5%	0.23%
PH Value	3.0	3.10
Water Insoluble Matter	0.20%	0.10%

Aluminum Sulfate Index : HG/T2225-2010

Project name	Standard indicators	Lotus alum Test results
AL ₂ O ₃	15.8%	16.20%
Fe	0.005%	0.003%
PH Value	3.0	3.10
Water Insoluble Matter	0.15%	0.05%

