



# ChemiMatrix

## PAC – Polyaluminum Chloride

### Description

This product is high-effective inorganic polymer coagulant.

### Application

It is widely applied in water purification, wastewater treatment, precision cast, paper production, pharmaceutical industry and daily chemicals.



### Advantage

1. Its purifying effect on low-temperature, low-turbidity and heavily organic-polluted raw water is much better than other organic flocculant, furthermore, the treatment cost is lowered by 20%-80%.
2. It can lead to quick formation of flocculant (especially at low temperature) with big size and rapid precipitation service life of utilities filter of sedimentation basin.
3. It can adapt to a wide range of pH value (5-9) , and can reduce the pH value and basicity after processing.
4. The dosage is smaller than that of other flocculants. It has wide adaptability to the water at different temperatures and at different regions.
5. Higher quality non-corrosive, easy for operation, and long term use of non-occlusion.

### Technical Specification

Description	Waste water treatment		Drinking water treatment	
	PAC-02	PAC-12	PAC-05	PAC-09
Appearance (powder)	Yellow	brown	White	Light yellow
Al <sub>2</sub> O <sub>3</sub> content % >	28-0	26-0	30.0	29.0
Basicity %	75.0-90.0	-----	40.0-60.0	60.0-80.0
PH (1% water solution)	3.5-5.0			
Water insolubles % <	0.5	1.5	0.1	0.1
Note: our product can be made upon your special request.				

### Application of Use

1. The water dissolved solids products should be added after the mixing in water. dilution ratio generally : Solid 2%~20% products(in weight percentages)
  2. Pharmaceuticals mixing for the increase in general : 1~5 grams/ton (effluent) , 50~200g per ton (waste water)
- The specific dosage based on the users of pilot test to determine and produce.

### Package and Storage

**Package:** polypropylene woven bag with plastic liner, 25kg/bag

**Shelf life :** 2 Years;

**Storage :** should be stored in dry place.

