

聚合氯化铝 polyaluminium chloride

产品概述

聚合氯化铝系列产品外观颜色呈黄色或淡黄色、深褐色、深灰色粉末或液体。简称聚铝，是一种水溶性无机高分子聚合物，对水中胶体和颗粒物具有高度电中和及桥联作用，并可强力去除有毒物及重金属离子，性状稳定，有较强的架桥吸附性能，在水解过程中，伴随发生凝聚、吸附和沉淀等物理化学过程絮凝沉淀速度快，适用 pH 值范围宽，对管道设备无腐蚀性，净水效果明显，能有效去除水中色质 SS、COD、BOD 及砷、汞等重金属离子。



性能特点

- 1、混凝效果是传统净水产品的 1.5 倍；
- 2、PH 值使用范围广；
- 3、处理污水范围广；
- 4、残留铝更少；
- 5、受温度影响小。

技术指标

项目	指标	
	液体	固体
氯化铝的质量分数 (Al ₂ O ₃) 的质量分数/%	≥ 8.0	≥ 29.0
密度 (20℃) g/cm ³	≥ 1.12	-
盐基度/%	20-98	
不溶物的质量分数/%	≤ 0.4	
PH 值, 10 (g/L) 水溶液	3.5-5.0	
氨氮以 N 计的质量分数/%	≤	
铁 (Fe) 的质量分数/%	≤ 1.5	
砷 (As) 的质量分数/%	≤ 0.0001	
铅 (Pb) 的质量分数/%	≤ 0.0005	
镉 (Cd) 的质量分数/%	≤ 0.0001	
汞 (Hg) 的质量分数/%	≤ 0.00001	
铬 (Cr) 的质量分数/%	≤ 0.0005	

产品用途

常作为新兴净水材料、混凝剂，被广泛应用于饮用水、工业废水和城市污水的净化处理中。

包装与贮存

1. 固体：25kg/袋，采用三合一复合牛皮纸防潮袋包装。
溶液：用吨桶、桶包装，吨桶净重 1000kg、桶装 200kg 、25kg。运输过程中应轻装轻放，切勿倒置。
2. 储存保管时应注意防潮、防火、防高温，要求存放在通风、干燥处。



小心轻放



防晒



严禁倒置

Product Overview

The appearance color of polyaluminum chloride series products is yellow or light yellow, dark brown, dark gray powder or liquid. Polyaluminum, abbreviated as polyaluminum, is a water-soluble inorganic polymer that has a high degree of electrical neutralization and bridging effect on colloids and particles in water, and can strongly remove toxic substances and heavy metal ions. It has stable properties and strong bridging adsorption performance. During the hydrolysis process, physical and chemical processes such as coagulation, adsorption, and precipitation occur, and the coagulation and precipitation rate is fast. It is suitable for a wide range of pH values and has no corrosiveness to pipeline equipment. Its water purification effect is obvious, and it can effectively remove heavy metal ions such as color SS, COD, BOD, arsenic, and mercury in water.

Characteristics

1. The coagulation effect is 1.5 times that of traditional water purification products;
2. The pH value has a wide range of applications;
3. Wide range of sewage treatment;
4. Less residual aluminum;
5. Less affected by temperature.

Technical Specification

Project indicators	Indicators	
	Liquid	Solid
The mass fraction of aluminum chloride (Al ₂ O ₃)/%	≥ 8.0	≥ 29.0
Density (20 °C) g/cm ³	≥ 1.12	-
Salinity/%	20-98	
Mass fraction of insoluble substances/%	≤ 0.4	
PH value, 10 (g/L) aqueous solution	3.5-5.0	
Mass fraction of ammonia nitrogen calculated as N/%	≤	
Mass fraction of iron (Fe)/%	≤ 1.5	
Mass fraction of arsenic (As)/%	≤ 0.0001	
The mass fraction of lead (Pb)/%	≤ 0.0005	
Mass fraction of cadmium (Cd)/%	≤ 0.0001	
Mass fraction of mercury (Hg)/%	≤ 0.00001	
Mass fraction of chromium (Cr)/%	≤ 0.0005	

Applications

Often used as emerging water purification materials and coagulants, it is widely applied in the purification treatment of drinking water, industrial wastewater, and urban sewage.

Package and Storage

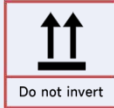
1. Solid: 25kg/bag, packaged in a three in one composite kraft paper moisture-proof bag.
Solution: Packaged in ton drums, with a net weight of 1000kg per ton drum, 200kg per drum, and 25kg per drum. During transportation, handle with care and do not invert.
2. When storing and preserving, attention should be paid to moisture, fire, and high temperature prevention, and it is required to be stored in a ventilated and dry place.



Handle with care



Sun protection



Do not invert



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