

## Polyaluminum chloride solution

### TECHNICAL SPECIFICATIONS

No: 000204/01/2023

**PRODUCT NAME :** Polyaluminum chloride solution**CAS:** 1327-41-9**REACH:** 01-2119531563-43**EC:** 215-477-2**APPEARANCE :** light yellow solution

#### 1. PHYSICAL AND CHEMICAL DATA

Parameter	Unit	Limit
Glin ( $\text{Al}^{3+}$ )	[ % ]	$9.0 \pm 0,3$
$\text{Al}_2\text{O}_3$	[ % ]	$17 \pm 0,6$
$\text{Cl}^-$	[ % ]	$21 \pm 1$
Basicity	[ % ]	$41 \pm 3$
Iron ( $\text{Fe}^{\text{tot}}$ )	[ % ]	$< 0,01$
Density (20°C)	[ $\text{g}/\text{cm}^3$ ]	$1,37 \pm 0,02$
Viscosity (20°C)	[ mPas ]	$35 \pm 10$
pH (20°C)		$< 1$
Crystallization temperature	[ °C ]	-20

The certificate was made on the basis of the supplier's certificate. The data contained in this certificate were prepared on the basis of certificates and quality standards of suppliers or manufacturers and on the basis of tests in the factory laboratory.

#### 2. APPLICATION

Purification of drinking and industrial water, treatment of municipal and industrial wastewater, production of paper, prevention of swelling of activated sludge, reclamation of lakes, production of modified alumina coagulants.

#### 3. QUALITY

We guarantee the quality of the coagulant in accordance with the European standard EN 883:2004 type 1.

#### 4. DOSAGE

Dosing using diaphragm pumps made of corrosion-resistant materials. The solution should be dispensed undiluted.

#### 5. STORAGE

Store in properly closed containers with the original label. Warehouses must be adapted to the storage of hazardous materials. Recommended storage temperature above: 0°C. Recommended storage time: up to 8 months.

## 6. STORAGE IN TANKS

Store in tanks (placed on impermeable trays to protect the environment) of carbon steel with rubber lining, glass reinforced plastic (GRP), polypropylene or polyethylene. Storage tanks should be marked in accordance with applicable regulations. The storage tank should be cleaned at least once a year.

## 7. SAFE USE

Use of safeguards and personal protective equipment, in accordance with the information contained in the safety data sheet.

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