



PAC-29P

Polyaluminium Chloride

CAS No.: 1327-41-9
Formula: $[Al_2(OH)_nCl_{6-n}]$

DESCRIPTION

PAC-29P is a high-purity polyaluminium chloride supplied as a white, free-flowing powder. It is designed for applications requiring low iron content and minimal impurities, delivering superior clarification performance in sensitive water treatment systems.

KEY FEATURES

- High aluminium content for efficient coagulation
- Very low iron content for reduced colour formation
- Low insoluble content
- High purity suitable for drinking water applications
- Produces low sludge compared to conventional coagulants

APPLICATIONS

- Drinking water treatment
- Municipal water purification
- Food and beverage processing water
- High-spec industrial water treatment
- Swimming pools and recreational water

TYPICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Appearance	White powder
Aluminium Oxide (Al_2O_3) Content, %	≥ 29.0
Basicity, %	45.0 – 90.0
Insoluble Matter, %	≤ 0.10
pH Value (10 g/L Aqueous Solution)	3.5 – 5.0
Iron (Fe) Content, %	≤ 0.20



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

TECHNICAL SUPPORT
+61294103317
info@chemport.com.au

Level 9 Tower A
821 Pacific Highway
Chatswood NSW 2067
Australia
chemport.com.au

PACKAGING

- 25 kg bags
- 1000 kg bulk bags (FIBC)
- Bulk supply available upon request

STORAGE & HANDLING

Store in a cool, dry, well-ventilated area. Keep packaging tightly sealed to prevent moisture absorption and caking. Protect from humidity and direct exposure to water.

SAFETY

- Dissolve to prepare a 10–20% solution before use
- Typical dosage: 10–50 ppm (depending on water quality)
- Conduct jar testing to determine optimal dosage
- Add PAC to water, not water to PAC

SAFETY

Refer to the Safety Data Sheet (SDS) for detailed safety, handling, and regulatory information. Use appropriate personal protective equipment when handling.