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PERSIAN GULF PETROCHEMICAL INDUSTRIES COMPANY

## POLY ALUMINUM CHLORIDE (PAC)

Poly Aluminium Chloride, also known as PAX, is an acidic solution important in the water treatment industry. It functions primarily as a highly efficient coagulant, neutralising colloidal charge to extract and clump contaminants into easily removable flocs. Developed as an alternative to Aluminium Sulphate, it offers better coagulation and rapidly forms flocs for effective purification.

Producer	Applications
PGPICC	Poly Aluminum Chloride is primarily used in water and wastewater treatment for clarifying drinking water, treating sewage, and industrial effluents. It also has significant industrial applications, including in the paper, oil and gas, detergent, construction, and deodorant/anti-perspirant industries.

Typical Properties					
Resin Properties	Unit	Typical Value Liquid 9%	Typical Value Liquid 18%	Typical Value Powder 30%	Test Method
Al <sub>2</sub> O <sub>3</sub>	(w/w) %	≥9	≥17	≥28	IS 15573
Basicity	(w/w) %	≥35	≥35	≥35	IS 15573
Cl	(w/w) %	≤12.5	≤25	≤37.5	IS 15573
SO <sub>4</sub>	(w/w) %	≤2.7	≤2.7	≤10	IS 15573
Insoluble	(w/w) %	≤0.5	≤0.5	≤1.5	IS 15573
PH of 5% solution	(w/w) %	1.8-4.5	2.5-4.5	2.5-4.5	IS 15573
Fe	ppm	≤80	≤200	≤240	IS 15573