

ClariChem™

Smart solutions for water purification





About Us

Established in 1986, Payal Group is one of India's leading chemical manufacturers, known for innovation, quality, and customer trust across diverse industries. With 3 advanced manufacturing facilities and exports to over 26 countries, we deliver customized chemical solutions to a wide global clientele. Building on our legacy of excellence, we now bring our expertise to the water treatment sector with a premium range of PolyAluminium Chloride (PAC).



Introducing **ClariChem**.

Polyaluminium Chloride (PAC) is an advanced coagulant widely used to turn impure water into clean, safe water for both human consumption and industrial applications, including wastewater treatment and recycling. In a time when efficient water management is more critical than ever, ClariChem offers a high-performance, ecofriendly, and reliable solution. Designed for clarity and crafted with care, ClariChem is Payal Group's trusted step into the future of water treatment.



Why ClariChem.

01

Purity That Performs

Highly efficient as it's made from purest raw material (HCL) & Aluminium Trihydroxide (ATH)

02

Faster Coagulation, Cleaner Results

Delivers quick floc formation for improved water clarity and faster processing

03

Built to Serve You, on Time

Adequate storage facilities for both raw materials and finished goods enabling just in time service.

04

Expert Assistance at Every Step

Dedicated technical support team to assist customers with on-site guidance and application expertise

05

Custom Solutions, Backed by R&D

Fully equipped R&D centre focused on developing customised PAC solutions to meet evolving industry needs.

06

Certifications (Under Process)

NSF | BIS | ISO 9001:2015, 14001:2015, 45001:2018 | Halal

Indian Drug Research Association and Laboratory, Pune & Industrial Toxicology Research Centre, Lucknow

Grades Available

ClariChem: Product Grade

Properties	Form Factor - Liquid				Form Factor - Powder	
Grade	ClariChem-18 LNM	ClariChem-18 LST	ClariChem-10 LSU	ClariChem-18 LCL	ClariChem- 30 PNM	ClariChem- 30 PSU
Product Physical Appearance	Clear to Pale yellow	Clear to Pale yellow	Clear to Pale yellow	Clear and colour less	White to Pale yellow colour in granular form	White to Pale yellow colour in granular form
Aluminium as AL2O3 percent by mass, Min%	16.5	16.5	9.5	17	Min.28	Min.28
Chloride as Cl percent by mass, Max %	23	23	12.5	23	37.5	37.5
Product Specific gravity @250c min.	1.35	1.35	1.18	1.37	-	-
Basicity percent by mass Min.	35	35	35	35	>35	>35
Product Bulk Density gm/ml Min.	-	-	-	-	>0.65	>0.65
Ph of 5% aqueous solution W/v	2-4.5	2-4.5	2-4.5	2-4.5	2.5 - 4.5	2.5 - 4.5
Sulphate as SO4 percent by mass, Max %	Nil	Nil	2.7	Nil	Nil	10
Turbidity (NTU) MAX	50	30	50	20	150	150

NM : Normal, ST – Stabilised, SU- Sulphated, CL- Clear



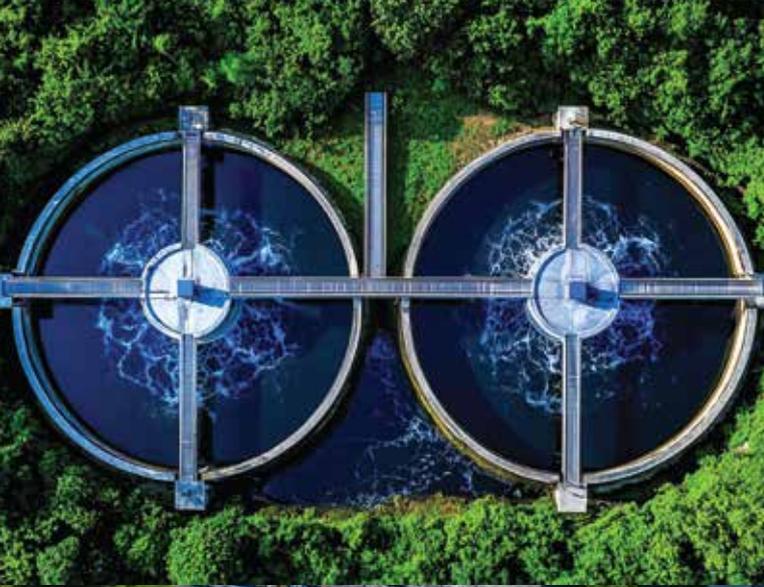


Application of PAC

01

Drinking Water Treatment

- ▶ Removes suspended solids, turbidity & microorganisms
- ▶ Enhances clarity and safety of potable water
- ▶ Performs effectively across a wide pH range



02

Sewage Water Treatment

- ▶ Reduces BOD, COD, turbidity & color
- ▶ Controls foul odor and improves clarity
- ▶ Ideal for municipal & industrial sewage plant



03

Industrial Wastewater Treatment

- ▶ Treats effluent from ETPs, CETPs, WWTPs
- ▶ Removes oils, heavy metals & suspended solids
- ▶ Improves water for recycling & reuse



Industry Application



Paper
Manufacturing



Chemical and
Pharmaceutical Industry



Cosmetic
Industry



Industrial Effluent and
Metal Industry



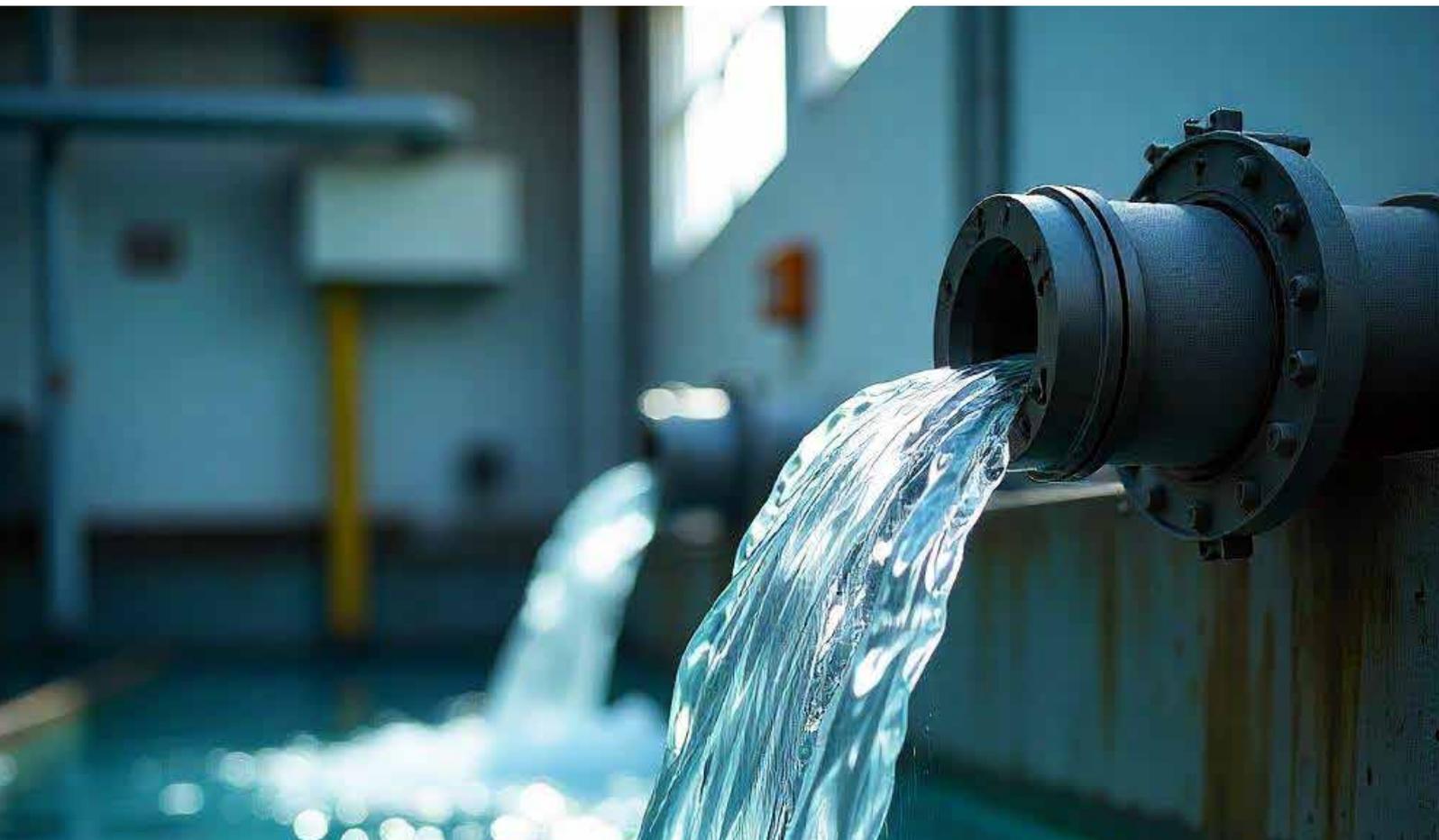
Refinery and
Power Industry



Paints, Pigments and
Adhesives Manufacturing

Clarichem Packaging & Logistics

- ▶ 250L HDPE drums, 1000L IBC tank for liquid
- ▶ 25/ 750 kg laminated bags for powder
- ▶ Custom bulk options available
- ▶ In-house logistics and PAN India reach





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Your Trusted Partner Providing
Water Treatment Solutions