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Product quotation

Poly Aluminum Chloride



Call for price (01728262625)

Key Features of Poly Aluminum Chloride:

- **High Coagulation Efficiency:** PAC exhibits superior coagulation performance compared to traditional aluminum salts like alum (aluminum sulfate), often requiring lower dosages to achieve the same level of turbidity removal. This can lead to cost savings in water treatment plants in Chittagong.
- **Wide pH Application Range:** Effective over a broader pH range (typically 5.0 - 9.0) compared to alum, making it more adaptable to the varying pH levels of raw water sources in Chittagong and Bangladesh.
- **Rapid Floc Formation:** PAC promotes the formation of larger, denser, and faster-settling flocs, leading to improved sedimentation and filtration efficiency in water treatment plants.
- **Reduced Sludge Volume:** Generally produces less sludge volume compared to alum, which translates to lower sludge handling and disposal costs for treatment facilities in Chittagong.
- **Lower Alkalinity Consumption:** Requires less alkalinity in the water for coagulation to occur, which is beneficial for treating low-alkalinity water sources common in some regions of Bangladesh.
- **Effective Removal of Various Contaminants:** Efficiently removes

turbidity, suspended solids, color, organic matter, heavy metals (to some extent), and certain microorganisms from raw water. This is crucial for addressing the diverse water quality challenges in Chittagong.

- **Improved Treated Water Quality:** Results in clearer, cleaner water with reduced levels of contaminants, contributing to a safer and more palatable water supply for the residents of Chittagong.
- **Ease of Handling and Application:** Typically available in liquid or powder form, making it relatively easy to handle, store, and dose in water treatment facilities.

Key Benefits of Poly Aluminum Chloride:

- **Improved Water Clarity:** Effectively removes turbidity and suspended solids, leading to clearer and more aesthetically pleasing drinking water for the people of Chittagong.
- **Enhanced Water Safety:** By removing various contaminants, including potential pathogens and heavy metals, PAC contributes to a safer and healthier water supply for the community.
- **Cost-Effective Water Treatment:** Lower dosage requirements and reduced sludge volume can lead to significant cost savings for water treatment plants in Chittagong in terms of chemical usage and sludge disposal.
- **Adaptability to Local Water Conditions:** The wide pH application range makes PAC a more reliable coagulant for treating the diverse and potentially fluctuating raw water quality found in Chittagong's rivers, lakes, and groundwater sources.
- **Increased Efficiency of Treatment Plants:** Rapid floc formation and settling improve the overall efficiency and throughput of water treatment processes, allowing plants to treat more water effectively.
- **Reduced Environmental Impact:** Lower sludge production translates to a reduced environmental burden associated with sludge disposal.
- **Better Compliance with Water Quality Standards:** The effective removal of contaminants helps water treatment facilities in Chittagong meet increasingly stringent national and international water quality standards.
- **Simplified Operation:** Ease of handling and application can simplify the operational aspects of water treatment plants.