

# Why choose WT1710P (Aluminum Chlorohydrate) as a coagulant?

**WT1710P can improve water quality, reduce costs and improve efficiency.**

Water treatment plants need to meet tighter standards so it is important to find the right solution to improve operational performance.

WT1710P offers many features that set it apart from polyaluminum chloride (PACL) and alum, including reduced sludge generation, solids removal, and lower chemical feed rates.

## Benefits of WT1710P (Aluminum Chlorohydrate):

- **WT1710P is the most concentrated soluble aluminum based coagulant available, with the highest basicity.** High basicity results in a higher positive charge and a more efficient way to coagulate negatively charged contaminants.
- **WT1710P contains more metal**, so its dosage is often half of what is required for PACl and one-third for liquid alum.
- **WT1710P forms a stronger, denser floc** that settles faster than the fluffier flocs of traditional, inorganic coagulants. In winter, when water is colder and more viscous this is especially important. Many plants using alum encounter problems as hydrolysis reactions slow and less dense floc carries over to the filters.
- **WT1710P acts as a filter aid** to help treat settled waters in conventional plants.
- **WT1710P can reduce solids.** Reductions in chemical solids generation of up to 50% have been realized by plants switching to WT1710P. In addition, the solids generated by WT1710P may dewater more efficiently, further decreasing handling and disposal costs.
- **WT1710P is ideal for variable waters** in which turbidity, particles, organics and other parameters change rapidly. Such waters can challenge other metal-based coagulants.
- **WT1710P is the most concentrated form of aluminum**, so much less is required on a volume basis to remove phosphorus.
- **WT1710P is the most versatile aluminum-based coagulant**, and works equally well in water from the Great Lakes or Mississippi River, low or high alkalinity waters, cold and warm waters, and waters that have high particulates or that are highly variable.

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Reach out to Watertech to learn how WT1710P could improve operational performance at your plant.



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