



ASHAION A-95U

Anionic Polyelectrolyte Powder

DESCRIPTION:

Ashaion A-95U is an ultra-high charge anionic polyelectrolyte powder with an extremely high molecular weight, designed for superior performance in water and effluent treatment processes. It is specifically engineered for applications requiring enhanced flocculation and coagulation properties. With its ultra-high charge density and large molecular structure, Ashaion A-95U is highly effective in removing suspended solids, improving water clarity, and reducing sludge formation. This product is ideal for use in a wide range of industries, including municipal water treatment, industrial wastewater treatment, and effluent treatment in challenging applications such as textile and dye industries.

SPECIFICATIONS:

Parameter	Details
Appearance	Off-white to pale beige powder
Charge	Ultra High
Molecular Weight	24-28 million
Solubility	Fully water-soluble
Viscosity (1% Solution)	Varies depending on usage
pH Range	5 - 9
Flash Point	Not applicable (non-flammable)

ADVANTAGES:

- Ultra-High Charge Density:** Provides outstanding performance in removing high amounts of suspended solids, improving flocculation and settling rates.
- Superior Flocculation:** Forms large, dense, and easy-to-settle flocs, making it ideal for wastewater and effluent treatment.

Regd. Office: Gat No 227/2, Village Dhanore,
& Factory. Alandi-Markal Road, Tal. Khed
Dist. Pune - 412 105
CIN No: U99999MH1993PLC073569

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GSTIN: 27AABCA5790M1Z9



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- 3. Reduced Sludge Volume:** Helps in reducing sludge production, leading to more efficient waste management and disposal.
- 4. Improved Filtration:** Enhances filtration efficiency by improving particle aggregation and sedimentation, leading to clearer treated water.
- 5. Low Dosage Requirements:** Due to its ultra-high charge, it requires lower dosage rates compared to other coagulants, making it more cost-effective.
- 6. Environmentally Friendly:** Safe for use in potable water treatment and other industrial applications with minimal environmental impact.
- 7. Versatile Applications:** Ideal for industrial wastewater, municipal water treatment, and challenging effluent treatment processes.

APPLICATIONS:

- **Municipal Water Treatment:** Used for coagulation and flocculation in drinking water purification, particularly in high-turbidity water sources.
- **Industrial Effluent Treatment:** Effectively treats wastewater from industries such as textile, paper, chemical, and food processing, especially those with high suspended solids.
- **Dye and Pigment Industry:** Ideal for color removal and clarification of effluents in dye and pigment manufacturing plants.
- **Wastewater Treatment:** Suitable for effluent treatment plants requiring ultra-high charge polyelectrolytes for efficient coagulation and flocculation.
- **Oil & Grease Removal:** Used in treating oily wastewater and emulsions, aiding in the separation of oil and water phases.

DOSAGE:

- **Typical Dosage Range: 1 - 10 ppm**, depending on the nature of the effluent or water being treated, and the desired level of flocculation.
- **Jar Testing:** It is recommended to perform jar tests to determine the optimal dosage for specific water characteristics and treatment objectives.
- **Effluent Treatment:** Dosage can vary depending on the contamination levels and the nature of the effluent, with a range between **1 - 5 ppm** for industrial effluents.

METHODS OF DOSING:

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- **Laboratory:**
Prepare a 1% solution of Ashaion A-95U in distilled water and perform jar testing to evaluate coagulation or flocculation effectiveness and determine the optimal dosage.
- **Plant:**
For plant-scale applications, a 0.1% to 1% dilution is recommended, which should be applied through a metering pump or a manual addition system. For better efficiency, multiple points of application or additional dilution may be used.

HANDLING PRECAUTIONS:

- **Dust Control:** Since Ashaion A-95U is a fine powder, avoid inhalation by wearing appropriate respiratory protection such as a dust mask or respirator.
- **Skin & Eye Contact:** In case of contact with skin or eyes, rinse immediately with plenty of water.
- **Corrosive Properties:** Although not highly corrosive, handle with care and wear protective gloves to avoid skin irritation.
- **Personal Protective Equipment (PPE):** Always use safety goggles, gloves, and a dust mask when handling the product.

PACKAGING:

Ashaion A-95U is available in:

- **25 kg or 50 kg HDPE bags.**

STORAGE & SHELF LIFE:

- Store in a cool, dry place, away from moisture and direct sunlight to preserve its effectiveness.
- Keep the product sealed in its original packaging until use.
- **Shelf life: 12 months** from the date of manufacture.

MATERIAL HANDLING:

- Proper material handling is essential to prevent contamination.
- Use corrosion-resistant equipment for handling and storing the product.

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- If any prolonged downtime occurs, ensure that the feed system is flushed with water to prevent product degradation.

DISCLAIMER:

The information provided is based on our best knowledge and experience. However, the actual performance of the product may depend on the specific conditions of use. We recommend testing the product in your own processes to determine compatibility and performance.

For further details, including safety data sheets, please contact us.

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