



POLY ALUMINIUM CHLORIDE

Chemical Formula: $Al_n(OH)_mCl_{3m-n}_x$

At SUNLINKS we always bring the premium quality products manufactured by the state-of-the-art technologies. Our Poly Aluminium Chloride (PAC) plant with technical know-how from Contec s.r.l., Italy.

Advantages:

- Ease of application
- Coagulates very effectively in low as well as high turbidity water.
- Rapid & better floc formation as compared to Alum.
- Less reduction of pH compared to Alum.
- Very less sludge generation.
- No requirement of other flocculation aids.
- Reduced Sedimentation Time.
- Effective in wide pH range.
- Lower residual aluminium and other heavy metals as compared to Alum.

Specifications:

| Sr | Characteristic | Unit | PAC 10 | | PAC 14 | PAC 18 | PAC 30 | |
|----|----------------------------|-----------|-------------------|------------|-------------|-------------|-------------|-------------|
| | | MB | HB | | | | MB | HB |
| 1 | Appearance | | Clear Pale Yellow | | Pale Yellow | Pale Yellow | Pale Yellow | Pale Yellow |
| | | | Liq. | Liq. | Liq. | Liq. | Powder | Powder |
| 2 | Aluminium as Al_2O_3 | % by Mass | 10.0 + 0.5 | 10.5 + 0.3 | 13.5 + 0.5 | 17.5 + 1.0 | 29.0 + 1.0 | 29.0 + 1.0 |
| 3 | Basicity | % by Mass | 40.0 + 5.0 | 64 (Min) | - | 45.0 + 5.0 | 40.0 + 5.0 | 64 (Min) |
| 4 | Chloride as Cl^- | % by Mass | 11.5 + 1.0 | 9.5 + 1.0 | 20.5 + 1.5 | 20.5 + 1.5 | 33.0 + 2.0 | 29.0 + 2.0 |
| 5 | Sulphate as SO_4 , (Max) | % by Mass | 2.7 | 2.5 | Nil | Nil | 10 | 10 |
| 6 | Specific Gravity at 25°C | | 1.2 + 0.04 | 1.2 + 0.02 | 1.32 + 0.02 | 1.37 + 0.02 | NA | NA |
| 7 | Bulk Density | gm/ml | NA | NA | NA | NA | 0.65 (Min) | 0.65 (Min) |
| 8 | Insolubles, Max | % by Mass | 0.5 | 0.5 | - | - | 1.5 | 1.5 |
| 9 | pH of 5% Solution | w/v | 1.8 - 4.5 | 2.5 - 4.5 | 1.8 - 4.5 | 1.8 - 4.5 | 1.8 - 4.5 | 2.5 - 4.5 |



Applications:

- Municipal & Industrial Portable Water treatments
- Municipal & Industrial Wastewater treatments
- Sewage Water treatments
- Separation of slurry in Industrial processes
- Sizing in Paper & Pulp Industry
- Decolourisation & Decontamination of dyes in Textile Industry

Production Capacity:

- 36000 MTPA Liquid (PAC 18) and/or 12000 MTPA Powder (PAC 30) at Dahej Complex

Exclusive Features:

- Highly stable
- Low impurities
- Availability in both Liquid & Powder form

Packaging:

- Powder (PAC30) : 25/50 kg PP woven bags with two inner LDPE liners.
- Liquid (PAC10, PAC14 & PAC18) : 50kg HM-HDPE Carbuoys / 240 kg. HM-HDPE Barrels / Acid resistant rubber lined tankers.

Product List:

Dimethyl Sulphate | Sulphuric Acid 70 % | Aluminum Sulphate (Non Ferric Alum) | Oleum 23% / 65% | Battery Grade Sulphuric Acid | Sulphur Trioxide (SO₃) | Chloro Sulphonic Acid | Sulfamic Acid