PURVI CHEMICALS

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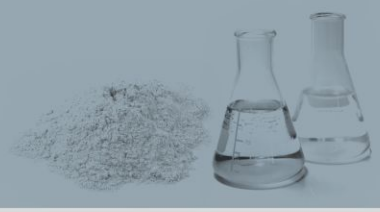
POLY ALUMINIUM CHLORIDE

$(Al_n(OH)_mCl_{3m-n})_x$ Technical Grade



At Purvi Chemicals, we always bring the premium quality products manufactured by the state-of-the-are 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 resudual aluminium and other heavy metals as compared to Alum.

APPLICATIONS

Municipal & Industrial Portable Water treatments
Municipal & Industrial Waste Water treatments
Sewage Water treatments
Separation of slurry in Industrial processes
Sizing in Paper & Pulp Industry
Decolorisation & Decontamination of dyes in Textile Industry

PACKING

- **Powder (PAC 30): 25/50 kg PP woven bags with two inner LDPE liners**
- **Liquid (PAC 10, PAC 14 & PAC 18): 50 kg HM-HDPE Carbuoys/ 240 kg. HM-HDPE Barrels/ Acid resistant rubber lined tankers**

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

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

Caution : Acidic & Hygroscopic (Powder) in nature. MB : Medium Basicity HB : High Basicity

S-132, Patolia Pole, Gendigate Road,
Mandvi, Vadodara-390001 Gujarat, India.

Tel : +91-265-2428222 / 2434179
Fax: +91-265-2427242

purvichemicals@yahoo.co.in
purvichemicals@gmail.com