



CERTIFICATE OF ANALYSIS

POLY ALUMINUM CHLORIDE

Particular	PAC-1	PAC-2	PAC-3	PAC-4
Alumina as Al ₂ O ₃ % (w/w)	9.5 +/- 0.5	11.0 +/- 0.5	13.5 +/- 0.2	17.5 +/- 0.2
Sp Gravity at 20 Degree C	1.22 +/- 0.05	1.25 +/- 0.02	1.35 +/- 0.05	1.40 +/- 0.05
pH of aqueous solution (w/v)	3.5 +/- 0.5 (5%)	3.5 +/- 0.5 (5%)	3.5 +/- 0.5 (5%)	3.5 +/- 0.5 (5%)
Chloride % (w/w)	11.5 +/- 1.00	13.0 +/- 0.5	19.0 +/- 0.5	21.0 +/- 0.5
Sulphate % Max	2.00	2.5	NIL	NIL
Basicity %	60.0 +/- 5.0	60.0 +/- 5.0	60.0 +/- 5.0	60.0 +/- 5.0
Mercury & Lead(ppm)	ND	ND	ND	ND

Uses in Different Industries		
1.	Paper manufacture	- With filler, pigment effluents
2.	Textile Industry	- Elimination of dyes
3.	Refineries	- Containing oil waste water
4.	Ceramic Industry	- Colloidal pollutants
5.	Automotive Industry	- Effluents with detergents, soil paints residues
6.	Laundries	- Detergents, soil
7.	Car wash installaries	- Waste water with oil and grease and detergents
8.	Food Processing Industries	- Effluents containing fats and vegetables oil

Applications :-

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DOSAGE : No standard dosage rate can be recommended. Optimum dosage rate and best place of addition should be determined by onsite trials.

PACKING & STORAGE

Liquid : PAC is supplied in 30 kg carboys, 240 kg barrels and tankers. **PAC** moderately acidic and is to be stored in PP, FRP, HDPE or acid proof lined storage when taken in tanker loads.

Powder : PAC powder is supplied in 25 kg, 40 kg and 50 kg bags and jerrycans. Because it is a hygroscopic product , it should be stored in dry, cool and closed area. **Handling :** It is not a hazardous chemical but moderately acidic in nature. Plenty of water can be used if spillage occurs on hands, face or any other part of body.

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