

Solid PAC Specifications		
Name	Polyaluminum chloride	
CAS number	1327-41-9	
Appearance	Pale-yellow powder (Spray Dried Type)	
Chemical formula	$\text{Al}_2(\text{OH})_n\text{Cl}_{6-n}$	
	Specification	Analysis Result
Alumina (Al_2O_3) % w/w	28 - 30 %	29.3 %
Basicity	40 - 70 %	45.1 %
Chloride (Cl^-) % w/w	< 37%	31.9 %
Sulfate % w/w	< 0.5 %	< 0.26 %
water insoluble matter	< 1 %	< 0.2 %
pH (5 % Solution)	3.5 – 5.0	3.9
Turbidity (5 % Solution) (NTU) _		< 10
Packing	25 kg Double layer bag (Woven PP bag plus LDPE liner)	
Shelf life	More than two years	

Heavy Metals (mg/kg)					
	Value	Analysis Result		Value	Analysis Result
Iron (Fe)	< 300	64	Lead (Pb)	< 40	0.05
Chromium (Cr)	< 30	2.24	Mercury (Hg)	< 4	0.002
Cadmium (Cd)	< 3	ND	Arsenic (As)	< 14	ND