



### 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 ( $\text{Al}_2\text{O}_3$ ) % w/w | 28 - 30 %                                             | 29.3 %          |
| Basicity                                  | 40 - 70 %                                             | 45.1 %          |
| Chloride ( $\text{Cl}^-$ ) % 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              |