

## Certificate of Analysis (COA)

**Product Name:** Polyacrylamide (PAM)**Product Type:** Anionic      **Quantity:** 20MT**Batch Number:** PAM240122001**Production Date:** January 10, 2025**Testing Date:** January 12, 2025

| Test Item                     | Unit    | Standard Value                | Test Result |
|-------------------------------|---------|-------------------------------|-------------|
| Appearance                    | -       | White powder or granules      | Conforms    |
| Molecular Weight              | Million | 8-20                          | 10          |
| Solid Content                 | %       | ≥88.0                         | 89.5        |
| Water Solubility              | -       | Fully soluble in water        | Conforms    |
| Residual Monomer (Acrylamide) | %       | ≤0.05                         | 0.03        |
| Charge Density (Anionic Type) | %       | 10-30                         | 15          |
| Degree of Hydrolysis          | %       | 10-30                         | 18          |
| Particle Size Distribution    | %       | ≥90% passes 20-100 mesh sieve | 92          |
| pH Value (0.1% Solution)      | -       | 6.0-8.0                       | 7.2         |
| Dissolution Time              | Minutes | ≤60                           | 45          |
| Centrifugal Solid Content     | %       | ≤1.0                          | 0.8         |
| Salt Content                  | %       | ≤5.0                          | 4.2         |

**Inspector:** 王德伟**Approver:** 李娜