

# SR3 二水磷酸铁产品规格

制定日期：2025/1/1

| 检查项目            |                           | 检验标准                   | 检验方法          |
|-----------------|---------------------------|------------------------|---------------|
| 物理<br>指标        | 外观                        | 近白色固体，颜色均匀、无结块、无异物     | 目测            |
|                 | 粒度 (μm)                   | D50 ≤ 10               | BT-9300S 激光粒度 |
|                 | 60 目过筛大颗粒                 | 60 目湿法过筛测试 100% 过筛，无异物 | 60 目湿法过筛测试过   |
|                 | 振实密度 (g/cm <sup>3</sup> ) | ≥ 0.7                  | 振实密度仪         |
|                 | 水分 (%)                    | 20-21                  | 马弗炉           |
| 化学<br>成分<br>指标  | pH                        | 2.30 ± 0.40            | pH 计 (1:10)   |
|                 | Fe (%)                    | 28.8~30.5              | 滴定法           |
|                 | P (%)                     | 16.2~17.2              | 沉淀法           |
|                 | Fe/P                      | 0.965~0.990            | /             |
|                 | Na (ppm)                  | ≤ 40                   | ICP-OES       |
|                 | Mg (ppm)                  | ≤ 10                   |               |
|                 | Ca (ppm)                  | ≤ 40                   |               |
|                 | K (ppm)                   | ≤ 10                   |               |
|                 | Mn (ppm)                  | ≤ 20                   |               |
|                 | Al (ppm)                  | ≤ 20                   |               |
|                 | Ti (ppm)                  | ≤ 10                   |               |
|                 | Cu (ppm)                  | ≤ 0.8                  |               |
|                 | Zn (ppm)                  | ≤ 10                   |               |
|                 | Ni (ppm)                  | ≤ 10                   |               |
|                 | Cr (ppm)                  | ≤ 10                   |               |
|                 | Si (ppm)                  | ≤ 10                   |               |
|                 | Co (ppm)                  | ≤ 10                   |               |
| S (ppm)         | ≤ 100                     |                        |               |
| 磁性物质 (ppm)      |                           | ≤ 0.5                  | 磁选+ICP-OES    |
| 磁性金属颗粒 (Pcs/Kg) |                           | ≤ 200                  | 清洁度测试仪        |