

## 磷酸氢二钾

English name: Potassium hydrogen phosphate;dipotassium hydrogen phosphate

[Molecular formula]:  $K_2HPO_4;K_2HPO_4 \cdot 3H_2O$

[Molecular weight]: 228.22

[Property]: Anhydrous is White powder.Trihydrate is white crystal.Easily soluble in water, its aqueous solution is slightly alkaline, slightly soluble in alcohol, hygroscopicity.

[Application]: Used for boiler water treatment.Pharmaceutical and fermentation industry used as phosphorus, potassium regulator, bacterial culture medium.It's what makes potassium pyrophosphate.Can be used as liquid fertilizer, ethylene glycol antifreeze corrosion inhibitor.Feed grade is used as feed nutritional supplement.

[Specification]:

| 指标名称Items                               | % | 无水工业级<br>Anhydrous<br>Tech Grade | 三水工业级<br>Trihydrate<br>Tech Grade |
|---|---|----------------------------------|-----------------------------------|
| 主含量 (以 $K_2HPO_4$ 计)<br>Main Content    | ≥ | 98.0                             | 98.0                              |
| 五氧化二磷 ( $P_2O_5$ 计)                     | ≥ | 40.0                             | 30.5                              |
| 氧化钾 (以 $K_2O$ 计)                        | ≥ | 53.0                             | 40.4                              |
| PH值 (1%水溶液1%water solution)<br>PH Value |   | 8.6-9.4                          | 8.9-9.4                           |
| 水不溶物Water insoluble                     | ≤ | 0.2                              | 0.2                               |
| 干燥减重 (Loss on drying)                   | ≤ | 2.0                              |                                   |
| 砷 (As)                                  | ≤ | ---                              | ---                               |
| 重金属 (以Pb计)                              | ≤ | ---                              | ---                               |
| 氟化物 (以F计)                               | ≤ | ---                              | ---                               |

[Package and Storage]: 25kg,50kg,1000kg pp woven bags.Store it in ventilated, dry and clean place. Moisture proof.

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