

Phosphorus Pentachloride Quality Standard (HG/T4108-2009)

Test Items	Parameters
Phosphorus Pentachloride Content	≥99.5%
Phosphorus Trichloride Content	≤0.05%
Ignition Residue Content	≤0.005%

Phosphorus Pentachloride is mainly used in the manufacturing of pharmaceuticals, dyes, synthetic fibers, pesticides and lithium batteries. It is also a raw material for the production of phosphorus oxychloride and phosphorus trichloride. Furthermore, it can be developed into special rubber belts, flame-retardant materials and conductive materials. Phosphorus pentachloride has wide-ranging applications particularly as an essential raw material in the production of cephalosporin antibiotics. It is also indispensable for the chemical synthesis of 7-ACA. Approximately 2 tons of phosphorus pentachloride are required for the production of 1 ton of 7-ACA. With the increasing production of 7-ACA, the demand for phosphorus pentachloride will undoubtedly rise. As the demand for phosphorus pentachloride in the industry grows, the production and sales scale of the phosphorus pentachloride industry is increasing year by year, indicating a healthy and promising industry development with broad prospects.

