



## Premium Phosphorus Trichloride For Industrial Use ( HG/T2970-2009)

Test Items	Parameters
Phosphorus trichloride content	≥99.5 %
Free phosphorus content	≤ 0.05%
Boiling range (74.5 °C -77.5 °C ) ( volume fraction )	≤ 0.005%
Orthophosphoric acid content ( as PO <sub>4</sub> <sup>3-</sup> Count )	≤ 0.05%

Phosphorus trichloride is mainly used as a semiconductor dopant and a raw material for high-purity phosphorus. Throughout the circuit production process, the quality of phosphorus trichloride plays an important role of controlling contamination and improving integration circuit yield.