

**Boron-11 Trifluoride,  $^{11}\text{BF}_3$**

**Application :**  $^{11}\text{BF}_3$  is source materials for P-type ion implantation doping process.

$^{11}\text{BF}_3$

**Isotopic Enrichment**

B-11 ( Wt % ) ..... > 99.8%

**Chemical Purity**

$\text{BF}_3$  ..... > 99.9%

<b>Chemical Impurity</b>	<b>Spec (ppmv)</b>	<b>Analysis Method</b>
N <sub>2</sub>	< 25.0	GD/DID
O <sub>2</sub> + Ar	< 50.0	GD/DID
CO <sub>2</sub>	< 25.0	GC/DID
SO <sub>2</sub>	< 25.0	FTIR
HF	< 25.0	FTIR
SiF <sub>4</sub>	< 500.0	FTIR

- \* ICP-MS : Inductively Coupled Plasma Mass Spectrometry
- \* GC/DID : Gas Chromatograph Discharge Ionization Detector
- \* FTIR : Fourier Transform Infrared
- \* ppmv : Parts Per Million By Volume