



## Boron Trichloride (BCl<sub>3</sub>)

### Specifications

	GRADE 4.5	GRADE 5	GRADE 5.5
Purity	99.995%	99.999%	99.9995%
Oxygen	< 9 ppmv	< 1 ppmv	< 0.5 ppmv
Nitrogen	< 30 ppmv	< 4 ppmv	< 0.5 ppmv
Carbon Dioxide	< 5 ppmv	< 2 ppmv	< 0.5 ppmv
Carbon Monoxide	< 3 ppmv	< 0.5 ppmv	< 0.3 ppmv
Methane	< 1 ppmv	< 0.5 ppmv	< 0.5 ppmv
Chlorine	< 1 ppmv	< 1 ppmv	< 0.1 ppmv
Phosgene			< 0.1 ppmv
Hydrogen Chloride			< 1 ppmv
Silicon Tetrachloride			< 2 ppmv

*Note: Moisture level guaranteed only when EFC Gases & Advanced Materials prepares the cylinders. All concentrations are on a mol/mol basis unless otherwise stated.*

### Cylinder Sizes

SIZE	FILL WEIGHT (LB)
44L/Size 200	110
2L/Size 10	5

### Technical Data

Molecular Weight: 117.17 g/mol  
 Specific Volume: 3.3 cu.ft./lb  
 Pressure @ 70°F: 4.4 psig  
 Valve Outlet: CGA 660 DISS 634

### Shipping Information

DOT Name: Boron Trichloride  
 Hazard Class: 2.3  
 DOT Number: UN 1741  
 DOT Label: Poison Gas/Inhalation  
 Hazard, Corrosive Gas  
 CAS Number: 10294-34-5