

## BF<sub>3</sub> High Purity Gas Specifications

Identification: FPS 3-2

Approval By: Quality Leader  
Operations Leader

Date: March 15, 2012

### PRODUCT DATA

Code:	194-2886
Physical Form:	Gas
Molecular Weight:	67.81
Sample retention:	Not Retained
Packaging:	Tube Trailer (Bulk), Cylinder (50-55 lb Net)
DOT Classification:	DOT Class 2.3 Poison – Inhalation Hazard, UN 1008, RQ, Hazard Zone B, Corrosive

### PRODUCT SPECIFICATION

Test	Minimum	Maximum	Method
wt. % Assay	99.5	—	DTM 3-4
wt. % SO <sub>2</sub>	—	0.002	DTM 3-2
wt. % Sulfate	—	0.001	DTM 3-3
wt. % SiF <sub>4</sub>	—	0.03	DTM 3-13
wt. % Air	—	0.40	DTM 3-5

#### Shelf Life

BF<sub>3</sub> Gas maintains its quality indefinitely when stored in a manner that excludes moisture and oxygen contamination.

Honeywell pressure tests the BF<sub>3</sub> packaging fleet per Department of Transportation regulations. Cylinder and Tubetrailer service life is the limiting factor for BF<sub>3</sub> Gas shelf life.

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