

BF₃ High Purity Gas Specifications

Identification: FPS 3-1

Approval By: Quality Leader
Operations Leader

Date: March 15, 2012

PRODUCT DATA

Code:	194-1469
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	99.0	—	DTM 3-4
wt. % SO ₂	—	0.100	DTM 3-2
wt. % Sulfate	—	0.05	DTM 3-3
wt. % SiF ₄	—	0.03	DTM 3-13
wt. % Air	—	0.50	DTM 3-5

Shelf Life

BF₃ Gas maintains its quality indefinitely when stored in a manner that excludes moisture and oxygen contamination.

Honeywell pressure tests the BF₃ packaging fleet per Department of Transportation regulations. Cylinder and Tubetrailer service life is the limiting factor for BF₃ Gas shelf life.

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