



Hydrogen Bromide

Description

Formula: HBr


Gas Data

Molecular Weight: 80.91
 Density: 3.3 kg/m³ @ 25°C, 101.325 kPa
 0.21 lb/ft³ @ 77°F, 14.696 psia
 Specific Volume: 0.30 m³/kg @ 21.1°C, 101.325 kPa
 4.8 ft³/lb @ 70°F, 14.696 psia

Safety Information

Permissible Exposure Limit (TLV): 3 ppm

Shipping Information

CAS Registry Number: 10035-10-6
 UN Number: UN 1048
 ECCN Number: EAR99
 DOT Proper Shipping Name: Hydrogen Bromide, Anhydrous
 DOT Classification: 2.3, Hazard Zone C (gas poisonous by inhalation)
 DOT Label: INHALATION HAZARD 
 CORROSIVE GAS
 TC Shipping Name: Hydrogen Bromide, Anhydrous
 TC Classification: 2.3, 8
 TC Label: POISON GAS, CORROSIVE GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1A	330	320	2,206	262	119
2	330	320	2,206	104	47
3	330	320	2,206	49	22
4	330	320	2,206	26	12
LB	180	320	2,206	6	3
QF	330/634	320	2,206	202	92
GF	330/634	320	2,206	104	47
UF	330/634	320	2,206	49	22

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.	Page No.
Hydrogen Bromide, Research Purity 99.999%	G2147223	QF	100 lb	45.36 kg	Single Stage Reg. LB Regulator Cross Purge Cross Purge Personal Monitor Leak Detector	Series 3210A-330 Series 3570-180 4775-330 4775-180 IQ250 8057	301 314 422 422 398 402
<i>Guaranteed Specifications</i>	G2147243	GF	30 lb	13.61 kg			
Carbon Dioxide < 3 ppm	G2147255	UF	10 lb	4.54 kg			
Carbon Monoxide < 1 ppm	G2147275	LB	1 lb	454 gm			
Methane < 1.5 ppm							
Nitrogen < 3 ppm							
Oxygen < 1 ppm							
Water < 4 ppm							
<i>A Certificate of Analysis will be provided with each cylinder at a nominal charge.</i>							
Hydrogen Bromide, CP Grade 99.8%	G1528101	1A	130 lb	58.97 kg	Single Stage Reg. LB Regulator Cross Purge Cross Purge Personal Monitor Leak Detector	Series 3210A-330 Series 3570-180 4775-330 4775-180 IQ250 8057	301 314 422 422 398 402
	G1528140	2	30 lb	13.61 kg			
	G1528150	3	10 lb	4.54 kg			
	G1528165	4	4 lb	1.81 kg			
	G1528175	LB	1 lb	454 gm			

Liquid phase, weight/weight%

A Certificate of Conformance will be provided on request.

A lot analysis is available at a nominal charge.

Recommended shelf life - 6 months