



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	301
<i>Guaranteed Specifications</i>	G2147243	GF	30 lb	13.61 kg		Series 3570-180	314
Carbon Dioxide < 3 ppm	G2147255	UF	10 lb	4.54 kg		4775-330	422
Carbon Monoxide < 1 ppm	G2147275	LB	1 lb	454 gm		4775-180	422
Methane < 1.5 ppm						IQ250	398
Nitrogen < 3 ppm						8057	402
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	301
	G1528140	2	30 lb	13.61 kg		Series 3570-180	314
	G1528150	3	10 lb	4.54 kg		4775-330	422
	G1528165	4	4 lb	1.81 kg		4775-180	422
	G1528175	LB	1 lb	454 gm		IQ250	398
						8057	402
<i>Liquid phase, weight/weight%</i>							
<i>A Certificate of Conformance will be provided on request.</i>							
<i>A lot analysis is available at a nominal charge.</i>							
<i>Recommended shelf life - 6 months</i>							

⚠WARNING: This product can expose you to chemicals including Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.