

HYDROGEN BROMIDE - (HBr)

4.5

DESCRIPTION : A colorless, toxic, corrosive gas shipped at its own vapor pressure of 22 Barg at 21° C.	APPLICATIONS : Metal etching.	ADR Item No. : 2, 2 TC
		ADR Label 2.3 Toxic gas Label 8 Corrosive substance
		MSDS REFERENCE : 068
		CHEMICAL ABSTRACTS : 10035-10-6
		UN No. : 1048

PRODUCT		PRESSURE BARG	VALVE TYPE	VALVE OUTLET DIN 477 No	VALVE MATERIALS OF CONSTRUCTION
CYLINDER	CONTENTS				
10HQ	10,8 kg	22	Diaphragm	8	316L SS
20HQ	21.6 kg	22	Diaphragm	8	316L SS
50HQ	68 kg	22	Diaphragm	8	316L SS

PRODUCT CHARACTERISTICS	PRAXAIR SPECIFICATIONS	METHOD OF ANALYSIS (SEE KEY)
MINIMUM PURITY	99,995 %	
Carbon Dioxide (CO ₂)	≤ 20 ppm	C
Carbon Monoxide (CO)	≤ 1 ppm	C
Methane (CH ₄)	≤ 1 ppm	C
Nitrogen (N ₂)	≤ 20 ppm	C
Oxygen (O ₂)	≤ 5 ppm	C
Water (H ₂ O)	≤ 5 ppm	G
Hydrogen Chloride (HCl)	≤ 500 ppm/w	N

Notes :

1. Assay is determined by the exclusion of hydrogen chloride

- ◆ Cylinder sizes, contents, valve types and valve connections other than those indicated above are available on request.
- ◆ All expressions for concentration are for gas phase, by volume unless otherwise noted.
- ◆ MSDS Ref.: More detailed Safety Information can be obtained from the Material Safety Data Sheet No. 068

Key to Analytical Techniques			
A	Gas Chromatograph with Thermal Conductivity Detector	D	Specific Oxygen Analyzer
B	Gas Chromatograph with Flame Ionization Detector	E	Specific Water Analyzer
C	Gas Chromatograph with Ultrasonic Detector	F	Total Hydrocarbon Analyzer
		G	Infrared
		H	Proprietary
		I	Gas Chromatograph with Helium Ionization Detector
		J	Flame Ionization with Methanizer
		K	Gas Chromatograph - Photo Ionization
		L	Gas Chromatograph - Flame Photometric
		M	Mass Spectrometry
		N	Wet Chemical
		O	Gas Chromatograph with Discharge Ionization Detector
		P	Gas Chromatograph with Methanizer Carbonizer
		Q	Gas Chromatograph with Electrolytic Conductivity
		R	Gas Chromatograph with Reduction Gas Analyzer
		S	Gaschromatograph with High Frequency Discharge Detector

IMPORTANT

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