

# NITROGEN - (N<sub>2</sub>)

5.6

<b>DESCRIPTION :</b> A colorless, non flammable, high-pressure gas. It acts as a simple asphyxiant by displacing air.	<b>APPLICATIONS :</b> Carrier gas, especially in diffusion processes; purge gas. Nitrogen 5.6 can be especially useful as a carrier gas in the production of VLSI and ULSI devices, or for purging of lines and equipment used for state-of-the-art device fabrication.	<b>ADR Item No.</b> : 2, 1 A
		<b>ADR</b> Label 2.2 : Non flammable, non toxic gas
		<b>MSDS REFERENCE</b> : 089A
		<b>CHEMICAL ABSTRACTS</b> : 7727-37-9
		<b>UN No.</b> : 1066

PRODUCT		PRESSURE BARG	VALVE TYPE	VALVE OUTLET DIN 477 No	VALVE MATERIALS OF CONSTRUCTION
CYLINDER	CONTENTS				
50H	10 m <sup>3</sup>	200	Diaphragm	6/10	316L SS

PRODUCT CHARACTERISTICS	PRAXAIR SPECIFICATIONS	METHOD OF ANALYSIS (SEE KEY)
<b>MINIMUM PURITY</b>	<b>99,9996 %</b>	
Carbon Dioxide (CO <sub>2</sub> )	≤ 0,1 ppm	J
Carbon Monoxide (CO)	≤ 0,1 ppm	J
Total Hydrocarbons (THC)	≤ 0,1 ppm	J
Hydrogen (H <sub>2</sub> )	≤ 0,1 ppm	I
Oxygen (O <sub>2</sub> )	≤ 0,5 ppm	D
Water (H <sub>2</sub> O)	≤ 2 ppm	E

**Notes :**

- ◆ 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. 089A

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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