

NITROGEN - (N₂)

Ultraplus - 6.0

DESCRIPTION : A colorless, non flammable, high-pressure gas. It acts as a simple asphyxiant by displacing air.	APPLICATIONS : Carrier gas, especially in diffusion processes; purge gas. Nitrogen 6.0 can be especially useful as a carrier gas in the production of VLSI and ULSI devices, due to its extremely low levels of carbon and oxygen impurities.	ADR Item No. : 2, 1 A
		ADR Label 2.2 : Non flammable, non toxic gas
		MSDS REFERENCE : 089A
		CHEMICAL ABSTRACTS : 7727-37-9
		UN No. : 1066

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

PRODUCT CHARACTERISTICS	PRAXAIR SPECIFICATIONS	METHOD OF ANALYSIS (SEE KEY)
MINIMUM PURITY	99,9999 %	
Carbon Dioxide (CO ₂)	≤ 0,05 ppm	J
Carbon Monoxide (CO)	≤ 0,05 ppm	J
Total Hydrocarbons (THC)	≤ 0,05 ppm	J
Hydrogen (H ₂)	≤ 0,1 ppm	I
Oxygen (O ₂)	≤ 0,2 ppm	D
Water (H ₂ O)	≤ 0,5 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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**EG 61-6.0
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