

OXYGEN - (O₂)

4.5

DESCRIPTION : A colorless, oxidizing, high-pressure gas.	APPLICATIONS : Chemical vapor deposition of silicon dioxide, especially for MOS gate oxides; thermal oxide growth; plasma etching; carrier gas in certain deposition/diffusion operations.	ADR Item No. : 2, 1 O
		ADR Label 2.2 : Non flammable, non toxic gas Label 5.1 : Oxidising substance
		MSDS REFERENCE : 097A
		CHEMICAL ABSTRACTS : 7782-44-7
		UN No. : 1072

PRODUCT		PRESSURE BARG	VALVE TYPE	VALVE OUTLET DIN 477 No	VALVE MATERIALS OF CONSTRUCTION
CYLINDER	CONTENTS				
50H	11 m ³	200	Pressure Seal	9	Brass

PRODUCT CHARACTERISTICS	PRAXAIR SPECIFICATIONS	METHOD OF ANALYSIS (SEE KEY)
MINIMUM PURITY	99,995 %	
Carbon Dioxide (CO ₂)	≤ 0,5 ppm	J
Total Hydrocarbons (THC)	≤ 0,5 ppm	F/J
Nitrogen (N ₂)	≤ 20 ppm	S
Argon (Ar)	≤ 20 ppm	A
Water (H ₂ O)	≤ 5 ppm	E
Carbon Monoxide (CO)	≤ 0,5 ppm	J

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. 097A

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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