

^{18}O Carbon Dioxide, C^{18}O_2 .



C^{18}O_2 is used in advanced industrial CO_2 laser systems to modify the wavelength of the laser. A large variety of cylinder sizes and valve options are available. Please inquire about specific packaging needs.

^{18}O Physical and Chemical Properties

Chemical Purity	$\geq 99.9\%$
Isotopic Enrichment	≥ 95 atom%
Natural Abundance	0.2%
Atomic Number	8
Mass Number	18
Neutron Number	10
Atomic Mass	17.9991610(7)
Spin	+0

Maximum Impurities

COMPONENT	CONCENTRATION (%)
Argon	≤ 1 ppm
Carbon Monoxide	≤ 0.5 ppm
Oxygen	≤ 2 ppm
Nitrogen	≤ 5 ppm
Hydrogen	≤ 1 ppm
Water	≤ 2 ppm
Total THC	≤ 0.5 ppm

Linde Electronics and Specialty Gases

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