



Linde Green

Oxygen Produced with 100% Carbon-Free Energy



Energy generation from certified carbon-free energy sources like wind, solar, and hydro-electric provides electricity for the manufacturing process.

Striving to meet sustainability targets, seeking to reduce atmospheric pollutants, or being a steward for future generations are goals of most responsible companies today. Linde can help address those challenges.

Current Production Requirements

Oxygen makes up about 20% of the air you breathe. However, it requires a significant amount of energy to separate that oxygen from the other constituents that make up air and liquefy the gas needed to allow cost effective delivery. Production of a standard molecule of liquid oxygen results in carbon emissions from the energy producer.

How it Works

We can provide liquid oxygen certified to be carbon-free providing you with the knowledge that you are doing your part to help our environment

- Linde purchases carbon-free power from certified sources
 - That carbon-free power is allocated to the production of specific products
 - The carbon footprint of those products is essentially carbon-free
 - An audited program tracks power sources and production allowing Linde to certify the liquid oxygen was produced with 100% carbon-free power
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Traditional Industrial Gas Supply Chain



Traditional production of industrial gases utilizes energy from the grid to produce the product you need. Linde can ensure that energy is purchased from a non-carbon based source such as wind, hydro-electric or solar. Same oxygen, same quality specifications, same reliability just without the carbon footprint in the production process.

Supply Chain With Carbon-free Energy



* no change to delivery mechanism using diesel- based fuels

Linde Green Oxygen Specifications

Purity Specification	Specification
Minimum Purity	$\geq 99.5\%$
Moisture	≤ 6 ppm
CO2e (in production)	≤ 1 kg/Mcf

Standard Oxygen Specifications

Purity Specification	Specification
Minimum Purity	$\geq 99.5\%$
Moisture	≤ 6 ppm

Features

- The same quality oxygen that you expect from Linde
- The source of the energy used to produce the product is carbon-free
- Audited process to ensure low carbon gas production

Benefits

- Supports reduced carbon footprint strategies
- Options for low carbon energy industrial gas sourcing
- Meet low carbon demands of your customers
- Same product reliability as standard oxygen