

Medical Gas Standards

(Oxygen O₂, Nitrous Oxide N₂O, Carbon Dioxide CO₂)

YIGAS INTERNATIONAL LIMITED

1. Overview

Medical gases support respiratory therapy, anesthesia, and surgical operations. YIGAS ensures pharmaceutical-grade production and traceability of O₂, N₂O, and CO₂.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
O ₂	≥99.5%	Gas	-183 °C	10—200 bar
N ₂ O	≥99.9%	Liquid / Gas	-88.5 °C	10—60 bar
CO ₂	≥99.9%	Liquid / Gas	-78.5 °C	10—60 bar

3. Industrial Standards

All gases comply with:

- ISO 7396-1 – Medical gas pipeline systems
- EIGA Doc 30/18 – Medical gas production and validation
- Ph.Eur / USP – Pharmacopoeia purity standards

4. Applications

- O₂: Respiratory support and anesthesia
- N₂O: Analgesic and anesthesia mixture
- CO₂: Laparoscopic and cryosurgery procedures

5. Packaging & Supply

Cylinder • Manifold • Bulk Tank • Medical Pipeline

6. Contact Information

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This document provides reference specifications for YIGAS medical gases. Customized supply and technical support are available upon request.