

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
O2	≥99.5%	Gas	-183 °C	10—200 bar
N2O	≥99.9%	Liquid / Gas	-88.5 °C	10—60 bar
CO2	≥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.