

Electronics Gas Standards

(Nitrogen N2, Argon Ar, Helium He)

YIGAS INTERNATIONAL LIMITED

1. Overview

Ultra-high purity gases are essential in semiconductor, LED, and display panel manufacturing. YIGAS supplies N2, Ar, and He meeting 6N semiconductor-grade standards to ensure contamination-free production environments.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
N2	≥99.9999%	Gas / Liquid	-196 °C	5—200 bar
Ar	≥99.9999%	Gas / Liquid	-186 °C	5—200 bar
He	≥99.9999%	Gas / Liquid	-269 °C	5—200 bar

3. Industrial Standards

All gases comply with:

- SEMI C3.38 – Ultra-high purity gas standards
- ISO 14644 – Cleanroom classification
- EIGA Doc 127/20 – Semiconductor gas handling
- GB/T 8982–2020 – Analytical gas verification

4. Applications

- N2: Purge and carrier gas
- Ar: Wafer processing and plasma etching
- He: Leak detection and cooling

5. Packaging & Supply

Cylinder • Tube Trailer • Bulk Tank • On-site Purifier

6. Contact Information

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