

Modified Atmosphere Packaging Gas Standards

(Nitrogen N₂, Carbon Dioxide CO₂, Argon Ar)

YIGAS INTERNATIONAL LIMITED

1. Overview

Modified Atmosphere Packaging (MAP) gases extend the shelf life and freshness of food products. YIGAS provides food-grade N₂, CO₂, and Ar with consistent quality for packaging and preservation.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
N ₂	≥99.999%	Gas	-196 °C	5—200 bar
CO ₂	≥99.9%	Liquid / Gas	-78.5 °C	10—60 bar
Ar	≥99.999%	Gas	-186 °C	5—200 bar

3. Industrial Standards

All gases comply with:

- EIGA Doc 169/20 – Food and beverage gas purity
- ISO 22000 – Food safety management
- GB/T 7725–2021 – Food-grade gas quality

4. Applications

- N₂: Oxygen displacement and spoilage prevention
- CO₂: Microbial inhibition and carbonation
- Ar: Wine and snack preservation

5. Packaging & Supply

Cylinder • Dewar Tank • On-site System

6. Contact Information

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