

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
N2	≥99.999%	Gas	-196 °C	5–200 bar
CO2	≥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

www.yigasgroup.com

Address: Guangdong, China

© 2025 YIGAS INTERNATIONAL LIMITED – Industrial & Specialty Gas Solutions

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