

Supercritical CO₂ Extraction Gas Standards

(Carbon Dioxide CO₂)

YIGAS INTERNATIONAL LIMITED

1. Overview

Supercritical CO₂ extraction is an eco-friendly process widely used in food, cosmetics, and pharmaceutical industries for purifying active compounds. YIGAS provides high-purity CO₂ with consistent performance and safe handling systems.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
CO ₂	≥99.9%	Gas / Supercritical Fluid	31–80 °C	70—300 bar

3. Industrial Standards

All gases comply with:

- ISO 10961 – High-pressure gas systems
- EIGA Doc 97/17 – CO₂ purity and transport safety
- GB/T 3864–2020 – Gas identification and labeling

4. Applications

- CO₂: Extraction of natural oils, caffeine removal, flavor and fragrance purification

5. Packaging & Supply

Cylinder • ISO Tank • On-site Compression

6. Contact Information

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This document provides reference specifications for YIGAS supercritical CO₂ extraction gases. Customized supply and technical support are available upon request.