

TECHNICAL SPECIFICATION

Product: Oxygen-17 Gas, 70% Enriched

Enrichment: ≥ 70.0 at. % O-17

Chemical Purity:

| | | |
|-----------------|-------------|-------|
| Total Purity | ≥ 99.9 | wt. % |
| H ₂ | ≤ 50 | ppm/v |
| N ₂ | ≤ 500 | ppm/v |
| CO ₂ | ≤ 100 | ppm/v |
| CO | ≤ 10 | ppm/v |

Shelf Life: Shelf life shall be not less than 3 years, and at least 2.5 years from the date of Delivery.

The following analytical methods are used for O-17-gas analysis at manufacturing facility and/or at independent labs:

1. Enrichment of O-17: Mass spectrometer (ICP-MS)
2. H₂, CO, N₂, CO₂: Gas chromatography