

UHP N₂ (UHP Nitrogen)

■ Identifiers and properties – Pure Material

IUPAC name : Nitrogen

Chemical formula: N₂

CAS Number: 7727-37-9

Molecular weight: 28.01 g/mol

Appearance: Colorless gas

Odor: Odorless

Density: 1.251 g/L

Vapor pressure: 431,351 mmHg @ 25 °C

Melting point: -210 °C

Boiling point: -195 °C

■ Product information

Range(cmol/mol)	Cylinder type	Blending tolerance(%)	Uncertainty (%)	Shelf life (months)	Pressure		
					psig	MPa	
1	99.999	Stl-A	2	2	12	1500	10
2	99.9999	Stl-A	2	2	12	1500	10

- Scope of certificates provided

- RIGAS test results¹⁾: All concentrations

- ISO 17034^{1,2)}: N/A

- ISO 17025^{1,2)}: N/A

- Korean MOE official test results^{1,2)}: N/A

- ✓ ¹⁾ We use gravimetry to maintain traceability to KRISS Class 1 Weights.

- ✓ ²⁾ We carry out comparisons to CRMs provided by state authorities to ensure traceability.

- The above product information is the basic standard for general standard gas, and for products that correspond to ISO 17025, ISO 17034 and requirement of the Korean Ministry of Environment, accuracy and shelf life are provided based on separate standards.

- Please contact us if you need a standard gas out of these specifications.