

# HELIUM 5.6

## PROPERTIES

## PHYSICAL & CHEMICAL



**OPEN  
24/7**



Molar mass: 4.0026 g/mol  
 Gas density relative to air (1013 hPa/15°C): 0.138  
 Triple point: Temperature: 2.2 K (-271.0 °C)  
 Pressure: 51 mbar  
 Latent heat of fusion: 146.21 kg/m<sup>3</sup> (liquid phase)  
 Boiling point: Temperature: 4.2 K (-268.9 °C) (1013 hPa)  
 Latent heat of vaporization: 20.3 kJ/kg  
 Density: 124.96 kg/m<sup>3</sup> (liquid phase)  
 Critical point: Temperature: 5.2 K (-267.9 °C)  
 Pressure: 2.3 bar  
 Density: 69.64 kg/m<sup>3</sup>

## APPLICATIONS :

Used for air quality monitoring, analytical chemistry, calibration gas mixtures, electronics and semiconductor, emissions control, environmental control, optical fibers, chromatography in Gas Phase (GPC), High Performance Liquid Chromatography (HPLC), inerting, instrumentation laboratory and process control, nuclear counters and radioactivity detectors, Resonance Nuclear Magnetics (NMR and MRI), nuclear energy, process control instruments, calibration, Calibration of control instruments, zero adjustment for analyzers.

## TECHNICAL INFORMATION

Purities :	Impurities :				
He	O <sub>2</sub>	H <sub>2</sub> O	N <sub>2</sub>	CnHm	H <sub>2</sub>
≥ 99.9996 %	≤ 0.5 ppm	≤ 2 ppm	≤ 1 ppm	≤ 0.1 ppm	≤ 0.1 ppm

## Conditioning :

Bottle
B50

