DATA SHEET

HELIUM 5.0

OPEN 24/7

PROPERTIES

PHYSICAL & CHEMICAL

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/m3 (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^3 (liquid phase)
Critical point: Temperature: 5.2 K (-267.9 °C)
Pressure: 2.3 bar
Density: 69.64 kg/m^3

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

Purity :	Impurities :			
He	O2	H2O	N2	CnHm
≥ 99.999 %	≤ 02 ppm	≤ 3 ppm	≤ 5 ppm	≤ 1ppm

Conditioning :

Bottle
B50

Rayan X

" We are what we repeatdly do , Excellence therefore is not an act but a habit " Dr Tazi