China Factory Price High Purity 99.999% 5n Gas He Cylinder Gas Helium

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: He
- Minimum Order Quantity: 1 Piece
- Price: US $300/PC
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 3000 Pcs/Month

Product Specification

- Product Name: Helium Gas
- Melting Point: -272.2 C
- Appearance: Colorless, Odorless
- Boiling Point: -272.2 C
- Cylinder Pressure: 15MPa/20MPa
- Valve: Qf-2/Cga580
- Cylinder Standard: DOT/ISO/GB
- Transport Package: He Cylinder
- Specification: 4L 8L 40L 47L 50L
- Trademark: CMC
- Origin: China
- HS Code: 2812191090
- Supply Ability: 3000piece/Month
- CAS No.: 7440-59-7
- Formula: He

More Images

Product Description

Helium is a chemical element with the symbol He and atomic number 2. Here are some key points about helium:

Chemical Symbol: He

Atomic Number: 2

Atomic Weight: 4.0026 atomic mass units

State at Room Temperature: Helium is a colorless, odorless, and tasteless gas. It is the second lightest and second most abundant element in the universe, after hydrogen.

Noble Gas: Helium is a noble gas, which means it is chemically inert and does not readily react with other elements. It has a full outer electron shell, making it stable and unreactive under normal conditions.

Low Boiling and Melting Points: Helium has the lowest boiling point (-268.93°C or -452.07°F) and melting point (-272.2°C or -457.96°F) of any known substance. As a result, it remains in a gaseous state even at extremely low temperatures.

Occurrence: Helium is primarily obtained as a byproduct of natural gas extraction. It is found in underground reservoirs where natural gas deposits are present. However, its concentration in the Earth's atmosphere is very low.

Uses: Helium has numerous applications across various industries. It is commonly used in cryogenics for cooling superconducting magnets, scientific research, and medical imaging (such as MRI machines). Helium is also used to create an inert atmosphere for welding, as a carrier gas in gas chromatography, and in various specialized applications where its low boiling point and inert properties are advantageous.

Party Balloons: Helium is often used to fill party balloons due to its lighter-than-air property. However, the use of helium in this manner has raised concerns about its availability and conservation, as helium is a non-renewable resource.

Helium-3 and Helium-4: Helium exists in two stable isotopes, helium-3 and helium-4. Helium-4 is the most common isotope and makes up about 99.99986% of natural helium. Helium-3 is much rarer and has unique properties that make it valuable for certain scientific and technological applications.

Basic Info.

DOT Class	2.2	Un Number	1963
Cylinder Standard	DOT/ISO/GB	Cylinder Pressure	15MPa/20MPa
Valve	Qf-2/Cga580	Melting Point	-272.2 ºC
Appearance	Colorless, Odorless	Boiling Point	-272.2 ºC
Density	0.1786 Kg/M3	Molecular Weight	4.0026
Transport Package	40L, 47L, 50L	Specification	99.999%, 99.9999%
Trademark	CMC	Origin	Suzhou,China
HS Code	28042900	Production Capacity	20, 000 Tons/Yea

Specification:

Specification	Company Standard
He	≥ 99.999%
N2	≤ 2.0 ppm
O2+AR	≤ 1.0 ppm
H2	≤ 1.0 ppm
CO	≤ 0.5 ppm
CO2	≤ 0.5 ppm
Ne	≤ 1.0 ppm
CH4	≤ 0.5 ppm
Moisture	≤ 0.5 ppm

Company

Profile

SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO

Workshop Display:

Monitor

Laboratory

Equipment

Zone of rectification

Gas filling

Equipment

Storage Workshop:

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