



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

Our Product Introduction

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### 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

### 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 ( $-268.93^{\circ}\text{C}$  or  $-452.07^{\circ}\text{F}$ ) and melting point ( $-272.2^{\circ}\text{C}$  or  $-457.96^{\circ}\text{F}$ ) 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	$-272.2^{\circ}\text{C}$
Appearance	Colorless, Odorless	Boiling Point	$-272.2^{\circ}\text{C}$
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%
N <sub>2</sub>	≤ 2.0 ppm
O <sub>2</sub> +AR	≤ 1.0 ppm
H <sub>2</sub>	≤ 1.0 ppm
CO	≤ 0.5 ppm
CO <sub>2</sub>	≤ 0.5 ppm
Ne	≤ 1.0 ppm
CH <sub>4</sub>	≤ 0.5 ppm
Moisture	≤ 0.5 ppm

Company

Profile





SiCl <sub>4</sub>	NH <sub>3</sub>	NH <sub>3</sub>	CH <sub>3</sub> F	SiH <sub>4</sub>	Kr	H <sub>2</sub> S	WF <sub>6</sub>	F <sub>6</sub> +Cl <sub>2</sub>
4MS	C <sub>3</sub> F <sub>8</sub>	C <sub>3</sub> F <sub>8</sub>	TEOS	CH <sub>4</sub>	PH <sub>3</sub>	SF <sub>6</sub>	C <sub>2</sub>	HCl+Ne
CF <sub>4</sub>	C <sub>4</sub> F <sub>8</sub>	SiH <sub>2</sub>						TMB+H <sub>2</sub>
SiF <sub>4</sub>	C <sub>3</sub> H <sub>8</sub>	Cl <sub>2</sub>						He +As
BBr <sub>3</sub>	C <sub>3</sub> H <sub>6</sub>	DCE						Ge+Se
POCl <sub>3</sub>	N <sub>2</sub>	SO <sub>2</sub>						D+B
BCl <sub>3</sub>	D <sub>2</sub>	CO <sub>2</sub>						CO+NO
SiHCl <sub>3</sub>	CH <sub>2</sub> F <sub>2</sub>	HF						Ar+O <sub>2</sub>
TMAI	DMZn	DEZn						Xe+NO
			AsH <sub>3</sub>	C <sub>2</sub> H <sub>4</sub>	C <sub>2</sub> H <sub>2</sub>	HBr	COS	
			GeH <sub>4</sub>	C <sub>2</sub> H <sub>6</sub>	B <sub>2</sub> H <sub>6</sub>	H <sub>2</sub> Se	GeCl <sub>4</sub>	

## Workshop Display:



Monitor



Laboratory



Equipment

Zone of rectification



Gas filling



Equipment



## Storage Workshop:



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