



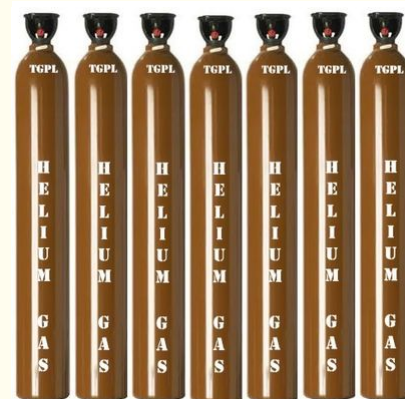
## China Hot Sell Gas Helium For Nuclear Reactors, Cooling Systems And Semiconductors

### 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
- Purity: 99.9%-99.999%
- Formular: He
- Appearance: Colorless Gas
- Filling Pressure: 150 Bar-200 Bar
- Transport Package: He Cylinder
- Specification: 40L, 47L, 50L
- Trademark: CMC
- Origin: China
- HS Code: 28042900
- CAS No.: 7440-59-7
- Formula: He
- EINECS: 231-168-5
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade



#### More Images



## Product Description

### China Hot Sell Gas Helium for Nuclear Reactors, Cooling Systems & Semiconductors

Helium gas is a colorless, odorless, and tasteless element that is the second lightest and second most abundant element in the universe, after hydrogen. It is a non-toxic, inert gas that exists as a monatomic molecule, denoted as He, and is chemically stable.

Helium is extracted from natural gas deposits through a process called fractional distillation. It is often found in small amounts within natural gas reservoirs, where it is produced as a result of the decay of radioactive elements such as uranium and thorium. Helium is typically isolated by cooling the natural gas to extremely low temperatures, causing other gases to liquefy and separate, leaving behind helium gas.

One of the most well-known properties of helium is its low boiling point, which is just a few degrees above absolute zero (-268.93 degrees Celsius or -452 degrees Fahrenheit). This property allows helium to be used as a cooling agent in various applications, such as cryogenics and superconductivity research.

Helium has several important uses due to its unique properties. The most common application of helium is in filling balloons and airships, where its low density provides buoyancy. It is also used in various industrial processes, such as cooling and purging systems, as a shielding gas in arc welding, and as a component in gas mixtures for deep-sea diving.

In addition to its practical applications, helium is also used in scientific research, particularly in fields such as nuclear physics, spectroscopy, and as a carrier gas in gas chromatography. Helium has the lowest boiling point of all the elements, and when cooled to extremely low temperatures, it exhibits extraordinary properties, including superfluidity and superconductivity.

However, it is worth noting that helium is a finite resource on Earth, and its availability is limited. Once released into the atmosphere, helium gas escapes into space due to its lightness, making it difficult to recycle and replenish. As a result, there have been concerns about helium shortages and the need for conservation and responsible use of this valuable resource.

#### 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 °C
Appearance	Colorless, Odorless	Boiling Point	-272.2 °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	$\geq 99.999\%$
N <sub>2</sub>	$\leq 2.0$ ppm
O <sub>2</sub> +AR	$\leq 1.0$ ppm
H <sub>2</sub>	$\leq 1.0$ ppm
CO	$\leq 0.5$ ppm
CO <sub>2</sub>	$\leq 0.5$ ppm
Ne	$\leq 1.0$ ppm
CH <sub>4</sub>	$\leq 0.5$ ppm
Moisture	$\leq 0.5$ ppm

#### Company Profile

## About us



Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc.. Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative, reliable, and safe. Our products mainly include: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

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	Ar+O <sub>2</sub>			
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>	Xe+NO			






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