China Wholesale Cylinder Gas Factory Price High Purity 99.999% 5n He 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
- Cylinder Pressure: 15MPa/20MPa
- Valve: Qf-2/Cga580
- Cylinder Standard: DOT/ISO/GB
- Appearance: Colorless , Odorless
- 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: Heunno.;Un1046casn
- EINECS: 231-168-5
- Constituent: Industrial Pure Air

More Images

Product Description

Product Description

Helium gas is a chemical element with the symbol He and atomic number 2. It is a colorless, odorless, and tasteless gas that belongs to the noble gas group in the periodic table. Here are some key points about helium gas:

Chemical Symbol: He

Atomic Number: 2

Atomic Weight: 4.0026 g/mol

Physical Properties: Helium is a very light gas, being the second lightest element after hydrogen. It is less dense than air and has a density of about 0.1785 grams per liter at standard conditions. Helium has a boiling point of -268.93 degrees Celsius (-452.07 degrees Fahrenheit) and a melting point of -272.2 degrees Celsius (-457.96 degrees Fahrenheit).

Abundance and Occurrence: Helium is the second most abundant element in the universe, but it is relatively rare on Earth. It is produced through the decay of radioactive elements, such as uranium and thorium, and accumulates in natural gas deposits. Helium is often extracted from natural gas wells.

Applications: Helium gas has various practical applications. It is commonly used as a coolant in cryogenics and superconductivity research, where its extremely low boiling point is beneficial. Helium is also widely used in scientific research, such as in gas chromatography and as a carrier gas in analytical instruments. Additionally, helium is used in industries like welding, leak detection, and as a lifting gas for balloons and airships.

Liquid Helium: Helium can exist in a liquid state at extremely low temperatures. Liquid helium has unique properties, including superfluidity and superconductivity, which make it valuable for research in low-temperature physics and the production of superconducting magnets.

MRI Scanners: Helium is essential for cooling and maintaining the superconducting magnets used in magnetic resonance imaging (MRI) scanners. The low temperatures achieved by liquid helium enable the magnets to function efficiently.

Safety Considerations: Helium gas is generally considered to be non-toxic and does not pose significant health hazards. However, it is an asphyxiant and can displace oxygen in poorly ventilated areas, leading to suffocation. Proper ventilation and handling precautions are necessary when working with large quantities of helium gas.

Conservation: Helium is a non-renewable resource, and its availability is limited. Due to its importance in critical applications, helium conservation and responsible usage are encouraged to ensure its availability for future generations.

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	10L,40L, 47L, 50L	Specification	99.999%, 99.9999%
Trademark	CMC	Origin	China
HS Code	28042900	Production Capacity	20, 000 Tons/Year

Specification:

Helium, the least reactive element. Helium is normally a colorless, odorless gas and is the only substance that cannot solidify at standard atmospheric pressure.

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

Detailed Photos


FULL
CYLINDER
He
NON-FLAMMABLE
GAS
2


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Packaging & Shipping

Company

Profile

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: H2, O2, N2, Ar, CO2, propane, acetylene, helium, laser mixed gas, SiH4, Sih2cl2, SiHCL3, SiCL4, NH3, CF4, NF3, SF6, HCL, N2O, doping mixed gas (TMB, PH3, B2H6) and other electronic gases.

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