



Factory Supply HID Lighting Nuclear Absorber Cylinder Gas Xenon

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Xe
- Minimum Order Quantity: 1kg
- Price: US \$15/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 2000 Pcs/Month



Product Specification

- Product Name: Xenon Gas
- Purity: 99.999%
- Cylinder Pressure: 15MPa/20MPa
- Pressure: 12.5MPa
- Transport Package: 8L/10L/50L
- Specification: 8L/10L/50L 99.999%
- Origin: China
- HS Code: 2804290000
- Supply Ability: 2000piece/Month
- CAS No.: 7440-63-3
- Formula: Xe
- EINECS: 231-172-7
- Constituent: Industrial Pure Air
- Grade Standard: Electronic Grade, Industrial Grade
- Chemical Property: Combustion-Supporting Gas



More Images



Product Description

Product Description

Xenon gas, often referred to as Xe gas, is a noble gas belonging to Group 18 of the periodic table. It is chemically inert and exhibits various unique properties. Here are some key points about xenon gas:

Chemical Symbol: Xe

Atomic Number: 54

Atomic Weight: 131.29 g/mol

Physical Properties: Xenon is a colorless, odorless, and tasteless gas at room temperature and atmospheric pressure. It is denser than air and has a boiling point of -108.12°C (-162.42°F) and a melting point of -111.79°C (-169.22°F).

Abundance and Occurrence: Xenon is a rare gas, making up a very small fraction of the Earth's atmosphere (about 0.0000087%). It is obtained from the Earth's atmosphere through a process called fractional distillation of liquefied air.

Applications: Xenon gas has a range of applications in various fields. It is commonly used in lighting, particularly in high-intensity discharge (HID) lamps, such as automotive headlights and stadium lighting. Xenon's bright white light and high color rendering make it suitable for these applications. Xenon is also used in specialized lamps for photography, cinema projection, and strobe lights.

Medical Applications: Xenon gas has medical applications, particularly in anesthesia. It is used as an inhalation anesthetic in certain surgical procedures. Xenon is considered advantageous due to its low blood solubility, minimal metabolism, and lack of significant organ toxicity.

Nuclear Applications: Xenon-133, one of the isotopes of xenon, is used in nuclear medicine for lung ventilation studies. Xenon-133 is also produced as a byproduct in nuclear reactors and has applications in nuclear energy and research.

Plasma Displays: Xenon gas is used in plasma display panels (PDPs) or plasma TVs. When electrically charged, xenon produces ultraviolet light, which excites phosphors to emit visible light, creating the images on the screen.

Scientific Research: Xenon gas has applications in scientific research, including studies of atomic and molecular properties, as well as in specialized experimental setups. It is used in various fields such as physics, chemistry, and materials science.

Basic Info.

Model NO.	Xe	Un Number	2036
Cylinder Pressure	15MPa/20MPa	Cylinder Volumn	10L/40L/50L
Boiling Point	-107.1 °C	Cylinder Standard	DOT
HS	28042900	Density	5.89 Kg/M³
DOT Class	2.2	Purity	0.99999
Form	Gas	Melting Point	-112 °C
Molecular Weight	131.3	Appearance	Colorless Gas
Valve	Cga 580	Product Name	Xenon Gas
Transport Package	Cylinder	Specification	10L, 40L, 50L
Trademark	CMC	HS Code	2804290000
Production Capacity	2000m3 Per Year		



5N Xe Gas

99.999%

产品名称 Product name	氙气 Xenon	执行标准 Executive standard	/
产品批号 Batch number	230320	产品规格 Specification	≥99.999%
产品包装 Packaging	50L STL CGA580 BRASS	检测日期 Test date	2023.03.20
检测结果Results			
序号 Number	项目 Items	检测指标 Specification	检测结果 Result
1	Xe	>99.9995%	>99.9995%
2	H2O	<1.0 ppm	0.19 ppm
3	O ₂ +Ar	<0.5 ppm	0.09 ppm
4	N ₂	<1.5 ppm	0.16 ppm
5	H2	<0.5 ppm	0.09 ppm
6	CO	<0.1 ppm	0.02 ppm
7	Kr	<0.1 ppm	<0.01 ppm
8	CO ₂	<0.1 ppm	0.02 ppm
9	N ₂ O	<0.1 ppm	<0.01 ppm
10	C ₂ F ₆	<0.1 ppm	<0.01 ppm
11	CH4	<0.1 ppm	<0.01 ppm
结论: Judgment	合格 Qualified		

Detailed Photos

Product detail



Company Profile

ShangHai CMC 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.



Certifications



Workshop Display:



Monitor



Laboratory



Equipment

Zone of rectification



Gas filling



Equipment



Shipping Methods





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