



China Best Price High Purity Wf6 Cylinder Gas Tungsten Hexafluoride

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Wf6
- Minimum Order Quantity: 1 Piece
- Price: US \$ 15/PC
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 200 Tons/Year



Product Specification

- Product Name: Tungsten Hexafluoride
- Purity: 99.999%
- Transport: By Sea
- Appearance: Colorless
- Transport Package: 10L 40L 50L
- Specification: 10L 40L 50L
- Trademark: CMC
- Origin: China
- HS Code: 2812190091
- Supply Ability: 200t/Year
- CAS No.: 7783-82-6
- Formula: Wf6
- EINECS: 232-029-1
- Constituent: Industrial Pure Air
- Grade Standard: Electronic Grade



More Images



Product Description

Tungsten hexafluoride, also known as WF₆, is a chemical compound consisting of one tungsten atom and six fluorine atoms. It is a volatile, colorless gas that is commonly used in various industrial applications.

Here are some key points about tungsten hexafluoride gas:

Chemical formula: WF₆.

Molecular weight: 297.84 g/mol.

Physical properties: Tungsten hexafluoride is a dense gas with a boiling point of -2.8°C (-27.0°F) and a melting point of -2.5°C (-18.5°F). It has a strong odor and can form white fumes when it reacts with moisture in the air.

Stability: WF₆ is highly reactive and can decompose violently when exposed to heat, flames, or certain reactive metals. It reacts readily with water, moisture, and many other chemicals.

Uses: Tungsten hexafluoride has several industrial applications due to its unique properties. It is primarily used in the semiconductor industry for chemical vapor deposition (CVD) processes, where it is employed as a precursor to deposit thin films of tungsten onto substrates. These films are used in the production of microelectronic devices, such as integrated circuits and memory chips.

Safety considerations: Tungsten hexafluoride is hazardous to health and should be handled with extreme caution. It is corrosive and can cause severe burns upon contact with the skin or eyes. Inhalation of its vapors or exposure to high concentrations can lead to respiratory irritation, lung damage, and other health effects. Proper safety measures, such as working in well-ventilated areas and using personal protective equipment, should be followed when dealing with WF₆.

It's important to note that the handling, storage, and transportation of tungsten hexafluoride gas should be carried out in compliance with relevant safety regulations and guidelines to ensure the safety of workers and the environment.

Product Spec:

Tungsten Hexafluoride WF₆ GAS

CAS No.: 7783-82-6

EINECS No.: 232-029-1

UN No.: UN2196

Purity: 99.999%

Dot Class: 2.3

Appearance: Colorless

Grade Standard: Electron Grade, Industrial Grade

The COA of Product:

Test items	Units	Quality requirements	Test results
CF ₄	ppm	<0.5	<0.01
O ₂	ppm	<0.5	<0.01
N ₂	ppm	<1	0.03
CO	ppm	<0.5	<0.02
CO ₂	ppm	<0.5	<0.01
SiF ₄	ppm	<0.5	<0.1
SF ₆	ppm	<0.5	<0.1
HF	ppm	<5	0.19
Al	ppb	≤10	<0.020
As	ppb	≤10	<0.001
B	ppb	≤10	<0.005
Ca	ppb	≤5	<0.200
Cd	ppb	≤2	<0.001
Cr	ppb	≤10	<0.020
Fe	ppb	≤10	<0.007
K	ppb	≤5	<0.100
Mn	ppb	≤10	<0.001
Na	ppb	≤5	<0.040
Th	ppb	≤0.1	<0.001
Ti	ppb	≤10	<0.002
Li	ppb	≤10	<0.002
U	ppb	≤0.05	<0.001
Zn	ppb	≤10	<0.005
Si	ppb	≤10	<0.100
Pb	ppb	≤10	<0.001
P	ppb	≤2	<0.300
Mg	ppb	≤10	<0.020
Ni	ppb	≤20	<0.030
Cu	ppb	≤5	<0.005
Mo	ppb	≤10	<0.001
Total impurities of other metal	ppb	≤500	<0.0010

Detailed Photo



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.


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



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