



Cheap Semiconductor Industry Electronic Grade Cylinder Wf6 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
- Appearance: Colorless
- Purity: 99.999%
- Transport: By Sea
- Model No.: Tungsten Hexafluoride
- Transport Package: Sea Transportation
- 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



More Images



Product Description

Product Description

WF6 refers to tungsten hexafluoride, which is a chemical compound consisting of one tungsten atom bonded to six fluorine atoms. Here are some key points about WF6:

Chemical Formula: WF6

Molecular Weight: 297.84 g/mol

Structure: WF6 has an octahedral molecular geometry, with the tungsten atom at the center and six fluorine atoms arranged around it.

Physical Properties: Tungsten hexafluoride is a yellowish gas at room temperature. It has a boiling point of approximately 17.1°C (62.8°F) and a melting point of -2.5°C (27.5°F).

Applications: WF6 is primarily used in the production of tungsten metal and tungsten alloys through a process known as chemical vapor deposition (CVD). In CVD, WF6 is decomposed in the presence of hydrogen gas to deposit tungsten onto a substrate, forming a thin film. This technique is widely employed in the semiconductor industry for the fabrication of microelectronic devices.

Toxicity: Tungsten hexafluoride is highly toxic and corrosive. It can cause severe burns to the skin, eyes, and respiratory system upon contact.

Proper handling procedures and protective equipment, such as gloves and goggles, should be used when working with WF6.

Reactivity: WF6 is a highly reactive compound. It readily reacts with water, moisture, and other reactive substances, releasing toxic hydrogen fluoride gas (HF). Therefore, it should be handled and stored away from moisture and incompatible materials.

Safety Considerations: Due to its toxicity and reactivity, the use and handling of WF6 require strict safety protocols. Proper ventilation, personal protective equipment, and containment systems should be in place to minimize exposure and prevent accidental releases.

Environmental Impact: Tungsten hexafluoride is not considered a significant environmental pollutant. However, appropriate disposal methods should be followed to prevent its release into the environment.

Regulations: The use and transportation of WF6 may be subject to regulations and restrictions imposed by local authorities or regulatory bodies.

Compliance with these regulations is necessary to ensure safe handling and minimize environmental impact.

Overview

Basic Info.

Model NO.	WF6	Transport Package	Cylinder
Specification	10L/15kg	Trademark	CMC
Origin	Suzhou, China	HS Code	2812190091
Production Capacity	200t/Year		

Product Description

Product Spec:

ungsten 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
CF4	ppm	<0.5	<0.01
O2	ppm	<0.5	<0.01
N2	ppm	<1	0.03
CO	ppm	<0.5	<0.02
CO2	ppm	<0.5	<0.01
SiF4	ppm	<0.5	<0.1
SF6	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 Photos







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: 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						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂						
GeH ₄	C ₂ H ₆	B ₂ H ₆						

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