



## Semiconductor Industry Usage 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
- 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

Tungsten hexafluoride (WF<sub>6</sub>) is a compound composed of tungsten and fluorine. It is a colorless, highly reactive, and volatile gas. Here are some key points about tungsten hexafluoride:

Chemical Formula: WF<sub>6</sub>

Molecular Weight: 297.84 g/mol

Appearance: WF<sub>6</sub> is a colorless gas at room temperature and pressure.

Odor: It does not have a distinct odor.

Reactivity: Tungsten hexafluoride is highly reactive and can react violently with water and moisture. It hydrolyzes rapidly to form tungstic acid (H<sub>2</sub>WO<sub>4</sub>) and hydrogen fluoride (HF).

Toxicity: Like other metal halides, tungsten hexafluoride is toxic and should be handled with caution. It can cause severe irritation to the skin, eyes, and respiratory system upon exposure.

Uses: WF<sub>6</sub> is primarily used in the semiconductor industry for the deposition of tungsten metal during the manufacturing of integrated circuits (ICs). It is employed in a chemical vapor deposition (CVD) process to create thin films of tungsten. These films are essential for the production of microprocessors and other electronic components.

Safety precautions: Due to its reactivity and toxicity, proper safety measures should be followed when handling tungsten hexafluoride. It should be stored and used in well-ventilated areas with appropriate personal protective equipment (PPE).

#### 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

<b>Pb</b>	ppb	≤10	<0.001
<b>P</b>	ppb	≤2	<0.300
<b>Mg</b>	ppb	≤10	<0.020
<b>Ni</b>	ppb	≤20	<0.030
<b>Cu</b>	ppb	≤5	<0.005
<b>Mo</b>	ppb	≤10	<0.001
<b>Total impurities of other metal</b>		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: 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	
			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>	

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