Precursor Gas In The CVD Surface Treatment Applications, Cylinder Gas Tungsten Hexafluoride

Our Product Introduction

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
- Transport: By Sea
- DOT Class: 2.3
- Purity: 99.999%
- Model No.: Tungsten Hexafluoride
- Transport Package: Sea Transportation
- Specification: 10L/15kg
- Trademark: CMC
- Origin: Suzhou, China
- CAS No.: 7783-82-6
- Formula: Wf6
- EINECS: 232-029-1
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade
- Chemical Property: Combustion-Supporting Gas

More Images

Our Product Introduction

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Product Description

Precursor Gas in The CVD Surface Treatment Applications Cylinder Gas Tungsten Hexafluoride

Tungsten hexafluoride (WF6) is a chemical compound composed of one tungsten atom and six fluorine atoms. It is a colorless, corrosive gas with a pungent odor. Tungsten hexafluoride is highly reactive and can react violently with water or moisture in the air, releasing toxic hydrogen fluoride gas.

Applications of tungsten hexafluoride include its use as a precursor for depositing tungsten films in semiconductor manufacturing processes. It is commonly used in chemical vapor deposition (CVD) techniques to create thin films of tungsten for various applications, such as integrated circuit fabrication and thin-film coatings. Tungsten hexafluoride is preferred in these processes due to its high vapor pressure, which allows for efficient deposition.

However, it is important to handle and store tungsten hexafluoride with caution due to its reactivity and toxicity. Proper safety measures, including the use of appropriate protective equipment and handling procedures, should be followed when working with this compound.

Basic Info.

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

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

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.

SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO

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