China Best Price Factory Wholesale High Purity Cylinder Gas CH4 Methane

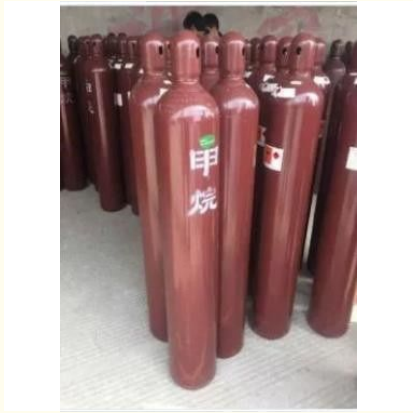
Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: CH4
- Minimum Order Quantity: 1kg
- Price: US $15/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000kg/month

Product Specification

- Product Name: Methane Gas
- Valve: Cga350
- Boiling Point: -161.5 ºC
- Melting Point: -182.5 ºC
- Cylinder Pressure: 15MPa/20MPa
- Cylinder Standard: DOT/ISO/GB
- Transport Package: 40L/47L/50L
- Specification: 40L/47L/50L
- Trademark: CMC
- Origin: China
- HS Code: 27112900
- Supply Ability: 20000 Tons/Year
- CAS No.: 74-82-8
- Formula: CH4
- EINECS: 200-812-7



More Images

Product Description

Product Description

Methane gas (CH4) is a colorless, odorless, and highly flammable hydrocarbon gas. It is the simplest and most abundant hydrocarbon compound. Here are some key points about methane gas:

Chemical Composition: Methane is composed of one carbon atom bonded to four hydrogen atoms (CH4).

Properties: Methane possesses several important properties:

Flammability: Methane is highly flammable, and it can combust in the presence of an ignition source and sufficient oxygen. It is the primary component of natural gas, which is widely used as a fuel for heating, cooking, and electricity generation.

Greenhouse Gas: Methane is a potent greenhouse gas, meaning it has a significant impact on Earth's climate system. It has a much higher global warming potential than carbon dioxide over a 20-year timeframe, although it has a shorter lifespan in the atmosphere.

Odorless and Colorless: Pure methane gas is odorless and colorless. However, an odorant called mercaptan is often added to natural gas for safety reasons, to help detect leaks by giving it a distinctive smell.

Low Boiling Point: Methane has a boiling point of approximately -161.5 degrees Celsius (-258.7 degrees Fahrenheit) at atmospheric pressure.

Occurrence and Sources: Methane occurs naturally and is produced by both biological and non-biological processes:

Natural Sources: Methane is generated in various natural environments, including wetlands, rice paddies, landfills, and the digestive systems of ruminant animals (such as cows).

Fossil Fuels: Methane is the main component of natural gas, which is found underground and is extracted for use as a fuel source. It is also released during the extraction, production, and distribution of coal, oil, and natural gas.

Anthropogenic Sources: Human activities, such as agriculture, livestock farming, coal mining, wastewater treatment, and the burning of fossil fuels, contribute to the release of methane into the atmosphere.

Environmental Impact: Methane has significant implications for climate change and air quality:

Climate Change: Methane is a potent greenhouse gas. Its increased concentration in the atmosphere contributes to global warming and climate change, as it absorbs and traps heat radiating from the Earth's surface.

Air Quality: Methane also plays a role in air pollution. Incomplete combustion of methane can lead to the production of other pollutants, such as carbon monoxide and nitrogen oxides, which have adverse effects on human health and the environment.

Uses: Methane gas has several important applications:

Energy Source: Methane is a valuable fuel source used for heating, cooking, electricity generation, and as a feedstock for the production of chemicals and fertilizers.

Industrial Processes: Methane is used as a raw material in various industrial processes, including the production of hydrogen, methanol, and other chemicals.

Transportation: Methane can also be used as a fuel for vehicles, either directly as compressed natural gas (CNG) or as a liquefied form (LNG).

Biogas: Methane produced from the anaerobic digestion of organic waste, such as agricultural waste or sewage, can be captured and used as biogas for energy generation.

Efforts are underway to mitigate methane emissions and develop more sustainable practices, such as improving methane capture and utilization, reducing leaks in natural gas infrastructure, and transitioning to renewable energy sources.

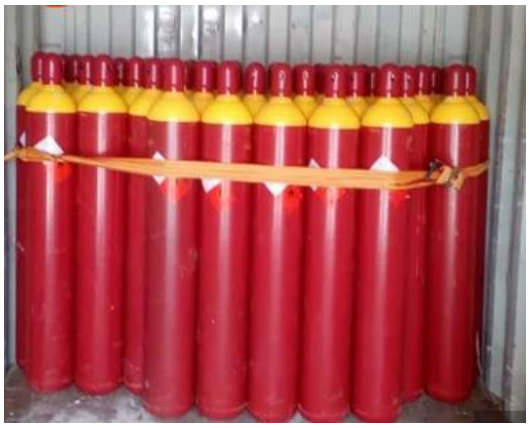
Basic Info.

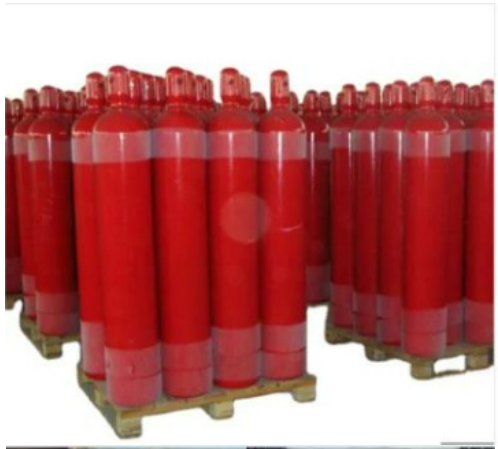
Molecular Weight	16.043	Density	0.717G/L
Melting Point	-182.5ºC	Boiling Point	-161.5ºC
Appearance	Colorless,Odorless	Un No.	1971
DOT Class	2.1	Valve	CGA350
Cylinder Standard	DOT/ISO/GB	Cylinder Pressure	15Mpa/20Mpa
Transport Package	40L/47L/50L	Specification	99.9%,99.99%,99.999%
Trademark	CMC	Origin	China
HS Code	27112900	Production Capacity	20000m³/Year

Specification:

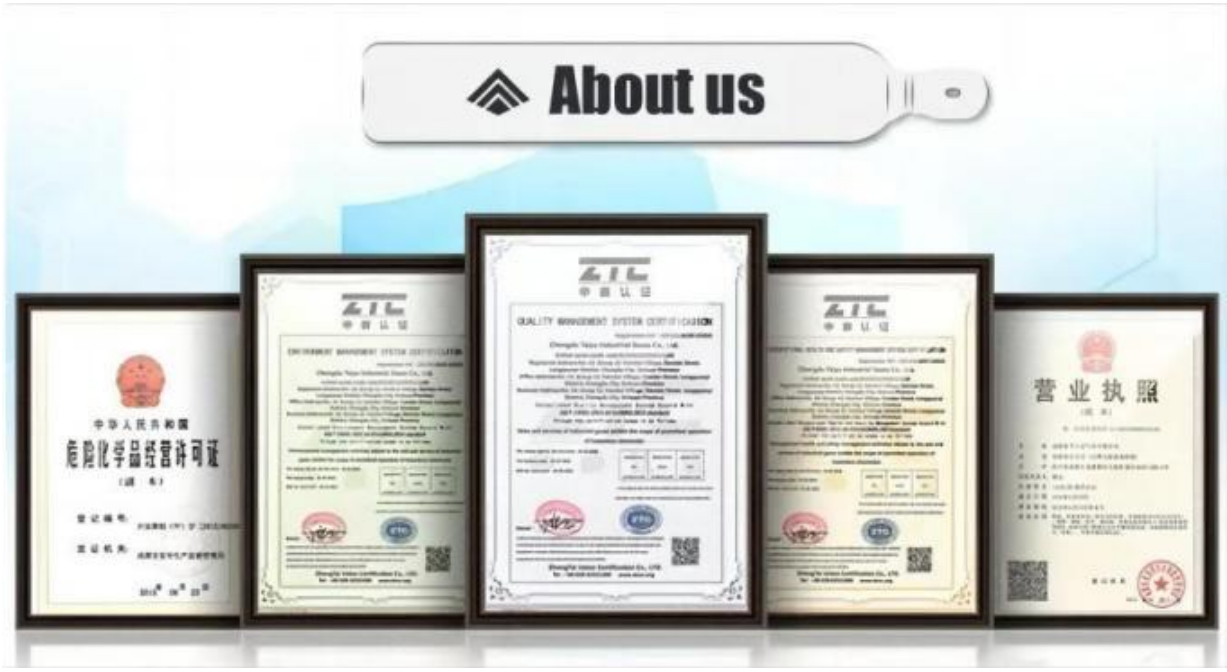
Specification	Company Standard
CH4	≥ 99.999%
N2	≤ 2.0 ppm
O2+AR	≤ 1.0 ppm
H2	≤ 1.0 ppm
CO	≤ 0.5 ppm
CO2	≤ 0.5 ppm
Ne	≤ 1.0 ppm
CH4	≤ 0.5 ppm
Moisture	≤ 0.5 ppm

Detailed Photos





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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