China Cylinder Gas Ultra High Purity 99.999% CO2 Gas Carbon Dioxide

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: CO2
- Minimum Order Quantity: 1kg
- Price: US $7/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 50000kg/month

Product Specification

- Product Name: Carbon Dioxide Gas
- Purity: 99.99%-99.999%
- Appearance: Colorless, Non-Flammable, Liquefied And Odorless
- Transport: By Sea
- Model No.: Carbon Dioxide
- Transport Package: Sea Transportation
- Specification: 4L 8L 10L 40L 50L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 28112100
- Supply Ability: 500, 000tons/Year
- CAS No.: 124-38-9
- Formula: CO2
- EINECS: 204-696-9

More Images

Product Description

Product Description

Carbon dioxide (CO2) is a colorless and odorless gas that consists of one carbon atom bonded to two oxygen atoms. It is a naturally occurring component of Earth's atmosphere, accounting for approximately 0.04% (or 400 parts per million) of the air we breathe.

Carbon dioxide plays a crucial role in the Earth's carbon cycle and is involved in various biological and physical processes. Here are some key points about carbon dioxide gas:

Sources: Carbon dioxide is released into the atmosphere through both natural and human activities. Natural sources include volcanic eruptions, respiration by living organisms, and the decay of organic matter. Human activities, such as the burning of fossil fuels (coal, oil, and natural gas), deforestation, and industrial processes, significantly contribute to the increase in atmospheric CO2 levels.

Greenhouse Gas: Carbon dioxide is one of the primary greenhouse gases responsible for the greenhouse effect. It allows sunlight to enter the Earth's atmosphere, but it also traps heat radiated from the Earth's surface, leading to a warming effect known as global warming or climate change.

Climate Change: The excessive release of carbon dioxide and other greenhouse gases from human activities has led to an increase in global average temperatures. This phenomenon, known as anthropogenic climate change, has significant impacts on ecosystems, weather patterns, sea levels, and the overall balance of the Earth's climate system.

Ocean Acidification: When carbon dioxide dissolves in water, it forms carbonic acid, leading to a decrease in pH. This process is called ocean acidification. Increased CO2 levels in the atmosphere contribute to the acidification of oceans, which can have detrimental effects on marine life, particularly organisms that rely on calcium carbonate for their shells or skeletons.

Carbon Capture and Storage (CCS): Given the role of carbon dioxide in climate change, efforts are being made to mitigate its emissions. Carbon capture and storage technologies aim to capture CO2 emissions from power plants and industrial sources and store them underground or utilize them in various industrial processes.

Photosynthesis: Carbon dioxide is essential for photosynthesis, the process by which plants, algae, and some bacteria convert sunlight, carbon dioxide, and water into oxygen and glucose (sugar). Through photosynthesis, plants absorb CO2 from the atmosphere, helping to regulate its levels.

Commercial and Industrial Uses: Carbon dioxide finds various commercial and industrial applications. It is used in fire extinguishers, carbonated beverages, food processing (to preserve freshness), cooling systems, and as a solvent in certain industrial processes.

It's important to note that while carbon dioxide is a naturally occurring gas, the rapid increase in its concentration due to human activities is causing concerns about its impact on the environment and climate. Efforts to reduce greenhouse gas emissions and transition to cleaner and sustainable energy sources are crucial in addressing these issues.

Specification:

CAS No.: 124-38-9

EINECS No.: 204-696-9

UN No.: UN1013

Purity: 99.99%-99.999%

Dot Class: 2.2

Appearance: Colorless, non-flammable, liquefied and odorless gas.

Grade Standard: Food Grade, Industrial Grade.

Specification	≥99.999%	≥99.9999%
Carbon Monoxide	<1 ppm	<0.1 ppm
Carbon Dioxide	<1 ppm	<0.1 ppm
Nitrogen	<1 ppm	<0.1 ppm
CH4	<4ppm	<0.4 ppm
Oxygen+Argon	<1 ppm	<0.2 ppm
Water	<3 ppm	<1ppm

Packaging & Shipping

Cylinder SpecificationsContents

Cylinder Capacity	Valve	Weight
40L	QF-2	20 kgs
50L	QF-2	30 kgs

Company Profile

ShangHai CMC 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.

Workshop Display:

Monitor

Laboratory

Equipment

Zone of rectification

Gas filling

Equipment

+86 18762990415 williamchen@cmc-chemical.com gascylindertank.com