



Medical Industrial 99.9% Laughing Gas Nitrous Oxide N2o Gas

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: N2O
- Minimum Order Quantity: 1kg
- Price: US \$8kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year



Product Specification

- Product Name: Nitrous Oxide
- Boiling Point: -88 °C
- Melting Point: -91 °C
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Valve: Cga540
- Cylinder Standard: GB/ISO/DOT
- Specification: T75
- Trademark: CMC
- Origin: China
- HS Code: 2811290090
- Supply Ability: 50000ton Per Year
- CAS No.: 10102-43-9
- Formula: N2o
- Constituent: Industrial Pure Air
- Grade Standard: Medical Grade



More Images



Product Description

Product Description

Nitrous oxide (N₂O), also known as laughing gas, is a chemical compound composed of nitrogen and oxygen atoms. Here are some key points about nitrous oxide:

Composition: Nitrous oxide consists of two nitrogen atoms bonded to one oxygen atom, giving it the chemical formula N₂O.

Properties: Nitrous oxide is a colorless, odorless gas at room temperature. It is slightly soluble in water. It has a slightly sweet taste and is commonly known for its euphoric and anesthetic effects when inhaled.

Production: Nitrous oxide can be produced through various methods. One common method is the thermal decomposition of ammonium nitrate, a compound commonly found in fertilizers. Nitrous oxide can also be produced as a byproduct of certain industrial and chemical processes.

Medical and Dental Use: Nitrous oxide has been used in medical and dental settings as an anesthetic and analgesic. It is commonly administered in combination with oxygen to induce sedation and relieve pain during certain procedures. It is considered safe when used under proper medical supervision.

Recreational Use: Nitrous oxide has a history of recreational use due to its euphoric effects. When inhaled, it can produce feelings of relaxation, euphoria, and mild hallucinations. However, recreational use of nitrous oxide can be dangerous and potentially harmful if used improperly, as it can lead to oxygen deprivation and other health risks.

Industrial Applications: Nitrous oxide has various industrial applications. It is used as a propellant in aerosol cans, such as whipped cream dispensers. It is also used in certain engines, such as racing cars and rockets, as an oxidizer to enhance combustion.

Environmental Impact: Nitrous oxide is a potent greenhouse gas that contributes to climate change. It has a significantly higher global warming potential compared to carbon dioxide. Nitrous oxide is primarily emitted from agricultural and industrial activities, including the use of nitrogen-based fertilizers and the combustion of fossil fuels.

It's important to note that the recreational use of nitrous oxide can be dangerous and potentially life-threatening. It should only be used under proper medical supervision or for legitimate industrial purposes.

Basic Info.

Model NO.	0.999	Un	2201
Filling Capacity	20-21ton	Purity	0.999
Transport Package	ISO Tank	Specification	0.999
Trademark	CMC	Origin	China
HS Code	2811290090	Production Capacity	50000ton Per Year

One of our current N₂O machines and N₂O gases are exported below (capacity with 80kg/h). The purity of N₂O gas is 99-99.9% for medical and industry use ,and 99.9994% for electronic use.

99.9% N₂O gas filled in 40L Cylinder , Gas vol.20kg/cylinder

Valve: QF-2

Volume: ~40L

Diameter: 219 Mm

Working Pressure: 150 Bar

Testing Pressure: 250 Bar

Color: Skyblue

Specification Certified
 concentrat
 ion

N₂O ≥99 ≥99 %HG2685-1995

CO ≤10 ≤10 p
 p
 m

CO₂ ≤250 ≤250 p
 p
 m

H₂O ≤100 ≤100 p
 p
 m

NO-NO₂ ≤0.5 ≤0.5 p
 p
 m

N₂ ≤25 ≤25 p
 p
 m

NH₃ ≤5 ≤5 p
 p
 m

Detailed Photos



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.

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						Ar+O2
TMAI	DMZn	DEZn						Xe+NO
			AsH3	C2H4	C2H2	HBr	COS	
			GeH4	C2H6	B2H6	H2Se	GeCl4	

Certifications



Workshop Display:



Monitor



Laboratory



Equipment

Zone of rectification



Gas filling



Equipment



Shipping Methods





FAQ

Q: What is the min order?

A: Different products have different min orders. It depends on the kind the gas and the cylinder specifications. Please feel free to contact me directly for your requirement.

Q: What is the package & storage details?

A: Seamless steel cylinder with different valves, or as to your requirement.

Stored in the shady, cool, dry, ventilated warehouse, and keep away from sunlight and ramming.

Q: Shall we send back the cylinders to China to refill the gas again?

A: Yes, when you ordered our cylinders, next time, you can send back the cylinders to fill gas again. You just need to tell us before you export. We will handle all the import customs clearance formalities.

Q: What are your company's main sales products?

A: We mainly supply electronics specialty gas and mixtures needed by the electronics industry, such as NH₃, SiH₄, C₄F₈, O₂, CF₄, CO₂, TEOS, etc.

Q: How to ensure the quality of your products?

A: We have passed the ISO 9001:2015 quality management system certification and ISO 14001:2015 environmental management system certification.

Q: How do you ship the product?

A: Usually we ship products by ocean shipping

Q: What is your advantage over other competitors?

A: We are a factory with excellent equipment and a high-quality control system, and our factory price is more competitive, fast shipment with high quality.

We have a full-time after-sales service providing solutions to various problems. After-sales service engineers standby 24 hours a day, and respond to customer needs when necessary at the first time.

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