



## Medical Industrial 99.9% Laughing Gas Nitrous Oxide N2o Gas

### Our Product Introduction

for more products please visit us on [gascylindertank.com](http://gascylindertank.com)

#### 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 (N<sub>2</sub>O), 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 N<sub>2</sub>O.

**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 N<sub>2</sub>O machines and N<sub>2</sub>O gases are exported below (capacity with 80kg/h). The purity of N<sub>2</sub>O gas is 99-99.9% for medical and industry use ,and 99.9994% for electronic use.**

99.9% N<sub>2</sub>O 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		Analytical method
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: 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	Ar+O <sub>2</sub>			
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>	Xe+NO			

#### 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 NH<sub>3</sub>, SiH<sub>4</sub>, C<sub>4</sub>F<sub>8</sub>, O<sub>2</sub>, CF<sub>4</sub>, CO<sub>2</sub>, 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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