

## **NITROUS OXIDE (LAUGHING GAS)- INHALATION GAS**

Number of revisions: 8  
Date of last revision: 11.01.2016

### **General Information:**

**Chemical formula:** N<sub>2</sub>O

**Molecular weight:** 44.01

**Appearance:** colourless gas with sweetish taste

**Application:** as an anesthetic in medicine, and for technical use in chemical industry

CAS No.: 10024 - 97 - 2

EC No.: 233-032-0

Neochim PLC code: 18 - 01

### **Specifications:**

<b>Properties</b>	<b>Typical Values</b>	<b>Limit Values</b>
Nitrous oxide, %	96.0	min. 96.0
Carbon oxide, %	0.0005	max. 0.0005
Nitrogen oxides, %	0.0000005	max. 0.0001
Moisture at 20°C and 10 MPa, g/dm <sup>3</sup>	0.001	max. 0.001
Non-condensable gases, %	4.0	max. 4.0
Carbon dioxide	complies	none
Hydrogen sulfide	complies	none
Arsine	complies	none
Hydrogen phosphide	complies	none
Halogens	complies	none
Reducing substances	complies	none
Oxidizing substances	complies	none
Bases and acids	complies	none

### **Packing:**

7 kg and 9 kg steel cylinders

Date of issue: 07.05.1992

These data are based on our current knowledge, experience and technical equipment. They do not relieve customers of carrying out their own tests and experiments, due to the great diversity of possible effects in processing and application of our products. They do not imply any legally binding assurances of certain properties and applications. The recipients of our products ought to abide by the existing legislation and regulations as well as possible reserved rights.

#### **Sales Director**

e-mail: adimitrov@neochim.bg

Phone: + 359 391 60590

Fax: + 359 391 60595

#### **Director Marketing, Analysis and Controlling**

e-mail: sgrancharov@neochim.bg

Phone: +359 391 60580

Fax: + 359 391 60555