



## Nitrous Oxide (N<sub>2</sub>O)

### Specifications

	GRADE 4.5	GRADE 5
Purity	99.995%	99.999%
Nitrogen	< 7 ppmv	< 2 ppmv
Oxygen	< 2 ppmv	< 2 ppmv
Carbon Dioxide	< 2 ppmv	< 2 ppmv
Carbon Monoxide		< 0.1 ppmv
Methane	< 1 ppmv	< 0.1 ppmv
Water		< 2 ppmv
Ammonia		< 0.5 ppmv
Nitric Oxide and Nitrogen Dioxide		< 0.5 ppmv

*Note: Moisture level guaranteed only when EFC Gases & Advanced Materials prepares the cylinders. All concentrations are on a mol/mol basis unless otherwise stated.*

### Cylinder Sizes

SIZE	FILL WEIGHT (LB)
44L/Size 200	60

### Technical Data

Molecular Weight: 44.01 g/mol  
 Specific Volume: 8.7 cu.ft./lb  
 Pressure @ 70°F: 745 psig  
 Valve Outlet: CGA 326 DISS 712

### Shipping Information

DOT Name: Nitrous Oxide  
 Hazard Class: 2.2  
 DOT Number: UN 1070  
 DOT Label: Non-Flammable Gas & Oxidizer  
 CAS Number: 10024-97-2