



NITROGEN DIOXIDE

2 COMPONENT MIXTURES

NITROGEN DIOXIDE BALANCE AIR

Concentration	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 1%	DA	130	660	EPA Protocol	400 Series regulator
	QA	79		Primary Lab Master	
	GA	29		Certified Lab Master Primary Standard Certified Standard Uncertified	
D.O.T. Proper Shipping Name:		Compressed gas, n.o.s., (Air, Nitrogen Dioxide)			
I.D. Number:		UN1956			
Hazard Class:		2.2			
Shipping Labels:		Nonflammable Gas			

NITROGEN DIOXIDE BALANCE NITROGEN

Concentration	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 1%	DA	140	660	EPA Protocol	400 Series regulator
	QA	79		Primary Lab Master	
	GA	29		Certified Lab Master Primary Standard Certified Standard Uncertified	
D.O.T. Proper Shipping Name:		Compressed gas, n.o.s., (Nitrogen, Nitrogen Dioxide)			
I.D. Number:		UN1956			
Hazard Class:		2.2			
Shipping Labels:		Nonflammable Gas			

*Cylinder pressure and volume varies proportionately at higher concentrations.

¹ A certification will be provided upon request for a nominal fee, except for uncertified mixtures.

TECHNICAL INFORMATION

High Pressure Cylinder:	2000 psig @ 70° Fahrenheit
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BUILD MIXTURE PART NUMBER:

To build your part number, select the code that corresponds to each section. Start with the Balance Gas, next enter the Minor Component followed by the Minor Component Concentration. Then select the Mixture Grade and finally the Cylinder Size. Add a dash “-” before the size code to complete the part number. Let’s create a part number. For example, take a Primary Standard grade of 5 ppm NITROGEN DIOXIDE balance NITROGEN in a size DA cylinder. From the table below we can follow the tables to come up with NI ND5MP-DA.

Balance Gas (A B)		Minor Comp Code (C D E)		Minor Component Concentration ([E] F G H I)		Mixture Grade (J)		Cylinder Size (K L)
Balance Gas	Code	Minor Gas	Code	Concentration	Code	Grade	Code	Code
Air	AI	Nitrogen Dioxide	ND	5 PPM to 99 PPM	5M – 99M	EPA Protocol'	E	DA
Nitrogen	NI			100 PPM to 999 PPM	100 – 999	Primary Lab Master	PM	QA
				1,000 PPM to 9,999 PPM	1000 – 9999	Certified Lab Master	CM	GA
				1%	1	Primary Standard	P	
						Certified Standard	C	
						Uncertified	U	
Example Only: NI		ND		5M		P		DA