



PROPANE

2 COMPONENT MIXTURES

PROPANE BALANCE AIR					
Concentration*	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 1.05%	DA	146	590	EPA Protocol ¹	400 Series regulator
L.E.L. 2.1%	QA	84		Primary Lab Master	
	GA	32		Certified Lab Master	
	K	200		Primary Standard	
	Q	67		Certified Standard	
	G	34		Uncertified	
D.O.T. Proper Shipping Name: I.D. Number: Hazard Class: Shipping Labels:	Compressed gas, n.o.s., (Air, Propane) UN1956 2.2 Nonflammable Gas				

PROPANE BALANCE HELIUM					
Concentration	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 50%	DA	146	350	Primary Standard	400 Series regulator
	QA	84		Certified Standard	
	GA	32		Uncertified	
	K	200			
	Q	67			
	G	34			
Flammability Concentration Range	< 4.5%			≥ 4.5%	
D.O.T. Proper Shipping Name: I.D. Number: Hazard Class: Shipping Labels:	Compressed gas, n.o.s., (Helium, Propane) UN1956 2.2 Nonflammable Gas			Compressed gas, flammable, n.o.s., (Helium, Propane) UN1954 2.1 Flammable Gas	

PROPANE BALANCE NITROGEN					
Concentration	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 50%	DA	146	350	EPA Protocol ¹	400 Series regulator
	QA	84		Primary Lab Master	
	GA	32		Certified Lab Master	
	K	200		Primary Standard	
	Q	67		Certified Standard	
	G	34		Uncertified	
Flammability Concentration Range:	< 5.6%			≥ 5.6%	
D.O.T. Proper Shipping Name: I.D. Number: Hazard Class: Shipping Labels:	Compressed gas, n.o.s., (Nitrogen, Propane) UN1956 2.2 Nonflammable Gas			Compressed gas, flammable, n.o.s., (Nitrogen, Propane) UN1954 2.1 Flammable Gas	

*Cylinder pressure and volume varies proportionately at higher concentrations. This product is sold by the cylinder.

¹Available in aluminum cylinders only. Available concentrations for NIST Traceable mixtures to be determined by the availability of reference materials.

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 an example, a Primary Standard grade mixture 5 ppm PROPANE balance NITROGEN in a size DA cylinder. Using the table below, the example mixture will have a part number: **NI PR5MP-DA**. Contact WestAir for assistance.

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	Propane	PR	5 PPM to 99 PPM	5M – 99M	EPA Protocol ¹	E	DA
Helium	HE			100 PPM to 999 PPM	100 – 999	Primary Lab Master	PM	QA
Nitrogen	NI			1,000 PPM to 9,999 PPM	1000 – 9999	Certified Lab Master	CM	GA
				1% to 50%	1 – 50	Primary Standard	P	K
						Certified Standard	C	Q
						Uncertified	U	G
Example Only: NI		PR		5M		P		DA