



## Propane & Propylene Standards

DCG prepares a wide variety of Propane Calibration Standards and Propylene Calibration Standards. These standards are gravimetrically prepared and N.I.S.T. Traceable by weight with the gravimetric values verified by one or more analytical methods. The following standards are examples of what DCG prepares. Please call your DCG Technical Specialist for assistance in determining the composition of a standard that meets your needs.

	Hi Purity C <sub>3</sub> =	Meoh/C <sub>3</sub> =	P/P Std.	C <sub>3</sub> w/ Olefins	C <sub>3</sub> Rich Stream
Methane	200 ppm		0.500%	0.010%	
Ethane	200 ppm		0.500%	0.100%	
Ethylene	100 ppm		0.100%	0.050%	
Isobutane	200 ppm		0.500%	0.500%	20.000%
N-Butane	200 ppm		0.500%	0.200%	5.000%
Cyclopropane	1 ppm				0.050%
Acetylene	3 ppm				
Isobutylene	10 ppm		0.500%	0.500%	
Butene-1	10 ppm		0.500%	0.500%	8.000%
Trans-2-Butene	10 ppm		0.500%	0.500%	15.000%
Cis-2-Butene	10 ppm		0.500%	0.500%	10.000%
Isopentane			0.100%		
N-Pentane			0.100%		
2,2-Dimethylpropane					0.010%
3-Methyl-1-Butene	10 ppm				0.050%
2-Methyl-1-Butene					0.010%
2-Methyl-2-Butene					0.010%
2-Methyl-1,3-Butadiene					0.010%
1,2 Butadiene	10 ppm				0.500%
1,3 Butadiene	10 ppm		0.100%	0.300%	1.000%
Ethyl Acetylene	7 ppm				
2-Butyne	7 ppm				
Methyl Acetylene	7 ppm			0.100%	0.010%
Propadiene	5 ppm			0.050%	0.050%
Propane	4000 ppm		30.000%	Balance	15.000%
Propylene	Balance	Balance	Balance	1.000%	10.000%
Methanol		≥ 5 ppm			
N-Hexane					0.200%

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### Propane & Propylene Standards (Continued)

	E/P Std.	O <sub>2</sub> , N <sub>2</sub> , H <sub>2</sub> /C <sub>3</sub> =	Low CO/CO <sub>2</sub> /C <sub>3</sub> =
Nitrogen	0.100%		
Carbon Monoxide			≥ Low ppb
Carbon Dioxide	0.100%		≥ Low ppb
Methane	1.500%		
Ethane	78.900%		
Ethylene	0.100%		
Isobutane	0.200%		
N-Butane	0.100%		
Isopentane	0.050%		
N-Pentane	0.050%		
Propane	18.800%		
Propylene		Balance	Balance
Oxygen		5 ppm	
Nitrogen		5 ppm	
Hydrogen		5 ppm	



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