



Ethane & Ethylene Standards

DCG prepares a wide variety of Ethane Calibration Standards and Ethylene 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 ₂ =	H ₂ /C ₂ =	Low CO/CO ₂ /C ₂ =	C ₂ Std.	O ₂ /N ₂ /C ₂ =	E/P Std.
Oxygen					≥5 ppm	
Nitrogen					≥5 ppm	0.100%
Hydrogen		≥10 ppm				
Carbon Monoxide	2 ppm		≥500 ppb			
Carbon Dioxide	2 ppm		≥500 ppb	1.000%		0.100%
Methane	75 ppm			0.500%		1.500%
Acetylene	5 ppm					
Propane	10 ppm			0.500%		18.800%
Propylene	10 ppm					0.100%
Isobutane	10 ppm					0.200%
N-Butane	10 ppm					0.100%
Isopentane						0.050%
N-Pentane						0.050%
Ethane	450 ppm			Balance		78.900%
Ethylene	Balance	Balance	Balance		Balance	0.100%