



## Natural Gas & Liquefied Natural Gas Standards

DCG prepares a wide variety of Natural Gas and Liquefied Natural Gas Standards from pipeline quality gas to process gas. These standards are gravimetrically prepared and N.I.S.T. Traceable by weight with the gravimetric values verified by one or more analytical methods. Four gravimetrically prepared N.I.S.T. Traceable by weight Hexanes Plus Fractions are available. In addition to being N.I.S.T. Traceable by weight, the gravimetric values for the Hexanes Plus Fractions are also 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.

	NG # 1	NG # 2	NG # 3	High CO <sub>2</sub>		
	%	%	%	%	%	%
<b>Nitrogen</b>	1.000	2.500	5.000	0.250	0.750	2.500
<b>Carbon Dioxide</b>	0.500	1.000	1.500	18.250	1.500	1.000
<b>Methane UHP</b>	94.750	85.250	70.000	80.975	92.380	89.570
<b>Ethane UHP</b>	2.000	5.000	9.000	0.300	3.000	5.000
<b>Propane</b>	0.750	3.000	6.000	0.100	1.500	1.000
<b>Isobutane</b>	0.300	1.000	3.000	0.025	0.250	0.300
<b>N-Butane</b>	0.300	1.000	3.000	0.025	0.250	0.300
<b>Isopentane</b>	0.150	0.500	1.000	0.025	0.100	0.100
<b>N-Pentane</b>	0.150	0.500	1.000	0.025	0.100	0.100
<b>2,2 Dimethylpropane</b>					0.100	0.100
<b>Hexanes Plus</b>	0.100	0.250	0.500	0.025	0.070	0.030

	DeC <sub>1</sub> Gas	W/H <sub>2</sub> S	W/H <sub>2</sub> S	DeC <sub>2</sub> Gas	W/H <sub>2</sub> , He,Ar	
	%	%	%	%	%	%
<b>Hydrogen</b>					0.040	
<b>Helium</b>					0.155	
<b>Argon</b>					0.155	
<b>Nitrogen</b>	1.000	50.000	3.000	1.000	15.000	0.500
<b>Carbon Dioxide</b>	1.000	17.000	1.500	1.000	2.500	0.750
<b>Hydrogen Sulfide</b>		2.500	400 ppm			
<b>Methane UHP</b>	2.000	26.300	49.460	1.000	68.900	88.100
<b>Ethane UHP</b>	61.750	1.500	13.700	6.000	7.000	6.000
<b>Propane</b>	20.000	1.000	19.800	64.500	2.000	2.500
<b>Isobutane</b>	5.000	0.500	4.500	12.000	1.500	0.750
<b>N-Butane</b>	5.000	0.500	4.500	12.000	1.500	0.500
<b>Isopentane</b>	1.500	0.300	1.250	0.750	0.500	0.300
<b>N-Pentane</b>	2.000	0.100	1.250	0.750	0.500	0.300
<b>2,2 Dimethylpropane</b>						0.050
<b>Hexanes Plus</b>	0.750	0.300	1.000	1.000	0.250	0.250