

**Natural Gas & Liquefied Natural Gas Standards**

DCG prepares a wide variety for 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>		
Nitrogen	1.000%	2.500%	5.000%	0.250%	0.750%	2.500%
Carbon Dioxide	0.500%	1.000%	1.500%	18.250%	1.500%	1.000%
Methane UHP	94.750%	85.200%	70.000%	80.975%	92.380%	89.570%
Ethane UHP	2.000%	5.000%	9.000%	0.300%	3.000%	5.000%
Propane	0.750%	3.000%	6.000%	0.100%	1.500%	1.000%
Isobutane	0.300%	1.000%	3.000%	0.025%	0.250%	0.300%
N-Butane	0.300%	1.000%	3.000%	0.025%	0.250%	0.300%
Isopentane	0.150%	0.500%	1.000%	0.025%	0.100%	0.100%
N-Pentane	0.150%	0.500%	1.000%	0.025%	0.100%	0.100%
2,2 Dimethylpropane					0.100%	0.100%
Hexanes Plus	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	
Hydrogen					0.040%	
Helium					0.155%	
Argon					0.155%	
Nitrogen	1.000%	50.000%	3.000%	1.000%	15.000%	0.500%
Carbon Dioxide	1.000%	17.000%	1.500%	1.000%	2.500%	0.750%
Hydrogen Sulfide		2.500%	400 ppm			
Methane UHP	2.000%	26.300%	49.460%	1.000%	68.900%	88.600%
Ethane UHP	61.750%	1.500%	13.700%	6.000%	7.000%	6.000%
Propane	20.000%	1.000%	19.800%	64.000%	2.000%	2.500%
Isobutane	5.000%	0.500%	4.500%	12.000%	1.500%	0.750%
N-Butane	5.000%	0.500%	4.500%	12.000%	1.500%	0.500%
Isopentane	1.500%	0.300%	1.250%	0.750%	0.500%	0.300%
N-Pentane	2.000%	0.100%	1.250%	0.750%	0.500%	0.300%
2,2 Dimethylpropane						0.050%
Hexanes Plus	0.750%	0.300%	1.000%	1.000%	0.250%	0.250%

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