

# ENVIRONMENTAL COMPLIANCE GASES

Continuous Emission Monitoring Air					
Gas Specifications	Product Code	Cylinder Size	Volume SCF	Pressure (psig)	Equipment Recommendation
THC < 0.5 ppm	479600	049	280	2400	Two stage stainless steel regulator, see page 148.  CGA valve outlet 590
CO < 1 ppm		044	225	2000	
H <sub>2</sub> O < 5 ppm		016	82	2000	
CO <sub>2</sub> < 1 ppm		A31	144	2000	
O <sub>2</sub> Content = 20 to 21%		A16	76	2000	
Typical Analysis					
NO <sub>x</sub> < 1 ppm					
SO <sub>2</sub> < 1 ppm					
SF <sub>6</sub> < 1 ppm					

Continuous Emission Monitoring Nitrogen					
Gas Specifications	Product Code	Cylinder Size	Volume SCF	Pressure (psig)	Equipment Recommendation
THC < 0.5 ppm	479700	049	304	2640	Two stage stainless steel regulator, see page 148.  CGA valve outlet 580
CO < 1 ppm		044	210	2000	
H <sub>2</sub> O < 4 ppm		016	80	2000	
CO <sub>2</sub> < 1 ppm		A31	140	2000	
O <sub>2</sub> < 2 ppm		A16	74	2000	
Typical Analysis			A07	28	
NO <sub>x</sub> < 1 ppm					
SF <sub>6</sub> < 1 ppm					
SO <sub>2</sub> < 1 ppm					

## NATURAL GAS BTU REFERENCE MIXTURES

Linde Specialty Gases offers mixtures made with gas components recommended by the Gas Processors Association (GPA). These calibration standards are prepared gravimetrically traceable to the National Institute of Standards and Technology (NIST) and verified analytically.

### Components for Natural Gas Mixtures

Helium	Methane	n-Butane	n-Heptane
Oxygen	Ethane	Isopentane	Nitrogen
Hydrogen Sulfide	Neopentane	Carbon Dioxide	Propane
n-Hexane	Hydrogen	Isobutane	n-Pentane

Standard Natural Gas Mixture				
Mixture	Concentration	Product Code	Cylinder Size	Equipment Recommendation
n-Hexane	0.05%	745000	110	SGVHPS2810
n-Pentane	0.05%			CGA Valve outlet 510
Isopentane	0.05%			See page 164.
Carbon Dioxide	0.33%			
Propane	0.33%			
n-Butane	0.9%			
Isobutane	0.9%			
Ethane	2.5%			
Nitrogen	2.6%			
Methane	Balance			

We also give, upon request, values for BTU, Specific Gravity and WOBBE Index.