

SPECIFICATIONS

Red Ball TGS is known for our fast turnaround time while providing high quality and reliable calibration standards.

We analyze all raw materials for impurities and account for them in our blending process. In this manner, we can provide exact amounts of the specified compounds. All blends are then analyzed and certified as part of our quality assurance process.

TYPICAL GAS STANDARDS

FIXED GASES - HID (HELIUM IONIZATION DETECTOR)

Carbon Monoxide, Carbon Dioxide, Argon, Oxygen, Nitrogen, Methane, Hydrogen in Helium

NATURAL GAS PIPELINE (GPA AND ASTM)

BTU Standards: Rich, Lean, Sour, Sweet

Moisture Standards in Methane or Nitrogen (7 lbs/mmscf or as requested)

Hydrogen Sulfide (H₂S) in Nitrogen or Methane (5ppm or as requested)

Oxygen in Nitrogen (80 ppm or as requested)

MUDLOGGING

Hydrocarbons in Nitrogen

Methane in Nitrogen

LEL (Methane or Propane) in Air

REACTIVES

Speciated Sulfurs in Nitrogen or Methane (H₂S, COS, DMS, Methly & Ethyl Mercaptan, etc)

Nitric Oxide, Sulfur Dioxide in Nitrogen

Nitrogen Dioxide in Air

Acetaldehyde in Nitrogen

Formaldehyde in Nitrogen

ROG (REFINERY OFF GAS)

Hydrogen, Carbon Monoxide, Argon, H₂S containing hydrocarbon blends



ENVIRONMENTAL MIXTURES

EPA Protocols

HRVOC (Highly-Reactive Volatile Organic Compounds) Calibration Gases

LDAR (Lead Detection and Repair) Calibration Gases

*Low Range, Mid Range, and High Range Gases

FUEL GASES - SYNGAS

Fuel Gas Blends: Methane, Ethane, Propane, Butane Mixtures

Syngas Mixtures: Hydrogen, Carbon Monoxide, Carbon Dioxide Blends

CUSTOM BLENDS

Ammonia, Arsine, Phosphine, Carbon Monoxide, or Carbon Dioxide in Ethylene

Amines in Nitrogen

Oxygenates in Methane or Nitrogen

ATMOSPHERIC STANDARDS

Hydrogen, Nitrogen, Oxygen, Helium, Neon, Argon, Krypton, Xenon blends