



U.S. Environmental Protection Agency Protocol Gas Standards for Compliance with 40CFR Parts 50, 58, 60 and 75

DCG has available calibration standards for **EPA protocol testing** in compliance with **40CFR parts 50, 58, 60 and 75**. These parts include the monitoring of ambient air quality, stationary source performance, hazardous air pollutants, acid rain programs, and hazardous waste management such as incinerators. All standards are N.I.S.T. traceable by weight and have been verified for accuracy by one or more analytical methods. All protocol gas standards are manufactured, analyzed, and certified to meet or exceed all of the requirements of EPA-600/R-97/121.

EPA protocol gases include Carbon Dioxide (CO₂), Carbon Monoxide (CO), Hydrogen Sulfide (H₂S), Methane (CH₄), Nitric Oxide (NO), Nitrogen Dioxide (NO₂) Oxygen (O₂), Propane (C₃H₈), and Sulfur Dioxide (SO₂). The following standards are available in either single or multi-component blends in Air or Nitrogen balances:

Component	Balance	Available Concentrations
CO ₂	Air	2000 ppm to 20 %
CO ₂	N ₂	2000 ppm to 20 %
CO	Air	0.5 ppm to 6.25 %
CO	N ₂	0.5 ppm to 6.25 %
H ₂ S	Air	25 ppm to 200 ppm
H ₂ S	N ₂	5.0 ppm to 200 ppm
CH ₄	Air	1.0 ppm to 1000 ppm
CH ₄	N ₂	1.0 ppm to 1000 ppm
NO	N ₂	0.5 ppm to 1.0 %
NO ₂	Air/ N ₂	25 ppm to 3250 ppm
O ₂	N ₂	1.0 % to 23.0 %
C ₃ H ₆	Air	1.0 ppm to 2.0 %
C ₃ H ₆	N ₂	1.0 ppm to 2.0 %
SO ₂	Air	5.0 ppm to 4550 ppm
SO ₂	N ₂	0.5 ppm to 1.0 %