

Metrological Hierarchy

PRGM

Primary Reference Gas Mixture

PRGMs are the highest quality standards available for use by commercial organisations. These reference gases have the lowest achievable uncertainties and are used by ISO 17025 laboratories who need to establish reference values for internal gas standards.

SRGM

Secondary Reference Gas Mixture

SRGMs are the most frequently used calibration gases for the calibration of gas chromatographs and other analytical devices because they balance low uncertainties with value for money, especially when supplied in large volume cylinders.

CGM

Calibrated Gas Mixture

3rd Party Calibration

EffecTech offers a calibration service for speciality gas manufacturers who need to supply accredited calibration mixtures to their customers. EffecTech provides a certificate reporting the analytical values and uncertainty for each calibrated mixture.

EffecTech offers ISO 17025 calibration gases for the following applications:

Natural Gas and LNG (up to C₁₀) for the oil and gas industry

Sulphur and odourant gases for the oil and gas industry

Continuous Emission Monitoring (CEM) gases for the stack testing industry

Blast Furnace gas for process control and emissions trading requirements in iron and steel manufacturing

