

Experis® gases

ISO 17025 calibration mixtures

➤ *For the ultimate in accuracy and traceability*

- **Certified by ISO 17025 accredited laboratories**
- **Multi-component mixtures**
- **Concentrations down to ppb levels**
- **For the most stringent analytical needs**

As part of our Experis® range of specialty gases and equipment, Air Products produces certified reference gas mixtures at its state-of-the-art accredited laboratory, in accordance with the international standard ISO 17025. This allows us to provide a complete range of calibration mixtures which meet even the most stringent demands for accurate and traceable calibration in a range of market segments including automotive, chemical, pharmaceutical, natural gas and environmental industries.



Gases

➤ **ISO 17025 accreditation**

Air Products' European Specialty Gases Laboratory is accredited to ISO 17025 by ENAC (Entidad Nacional de Acreditación). This accreditation allows us to calibrate multi-component gas mixtures and concentrations down to ppb levels.

Our scope of accreditation covers molecules including, but not limited to, CO, CO₂, NO, NO₂, SO₂, O₂ and C₃H₈. An up-to-date and detailed scope of our accreditation can be found on the ENAC website (www.enac.es).



➤ **MLA – Worldwide recognition and international acceptance**

The European Multilateral Agreement (MLA) between several European accreditation bodies ensures our ISO 17025 gas standards are fully equivalent to, for example, UKAS standards in the United Kingdom, COFRAC standards in France, RVA standards in The Netherlands or DKD standards in Germany. Customers all over Europe can therefore benefit from the same high level of expertise and quality.



Expertise

➤ **Accuracy**

➤ **Traceability**

➤ **Confidence**

➤ **Peace of mind**

↘ **Markets served**

ISO 17025 accredited gas standards are typically used for:

- calibration of emissions and air quality monitoring systems. The mixtures contain NO, SO₂, CO, NO₂ and CO₂ in low concentrations in air or nitrogen
- calibration of vehicle exhaust monitoring systems used for MOTs. The mixtures contain CO, CO₂, C₃H₈, O₂ in various concentrations
- calibration of analysers used to measure the calorific value of natural gas. The mixtures typically contain a wide range of hydrocarbons in methane ranking from ethane to hexane

ISO 17025 accredited gas mixtures can be used for the above applications, as well as for any other application which requires gas mixtures with the lowest uncertainty levels, traceability to international standards and quality assurance.

↘ **Traceability, accuracy, peace of mind**

By using these certified reference gas mixtures, which are characterised by lower uncertainty levels, you'll get more accurate and reliable analytical results. Lower uncertainty levels enable potential cost savings when calibration gases are used to calibrate billing systems. Furthermore the direct traceability, to internationally recognised Standard Units and reference materials from National Metrological Institutes, is an additional guarantee of quality.

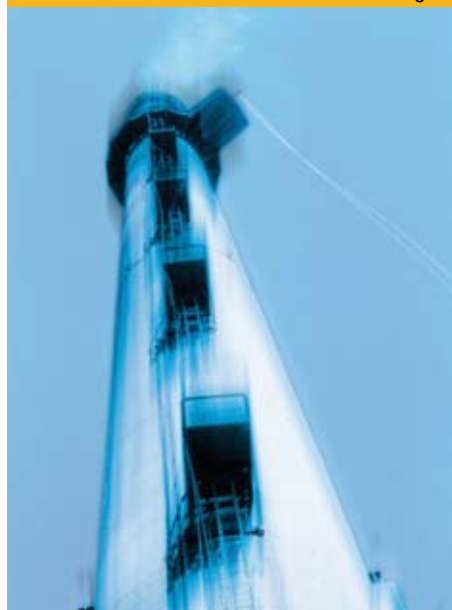
With its accreditation and its key partnerships, Air Products' Experis® range of gases fully complies with market requirements for accredited mixtures used for instrument calibration. Using Air Products' certified reference gas mixtures will allow you to concentrate on what you do best and enjoy complete peace of mind.



Automotive



Natural gas



Environmental

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