



Dutch
Metrology
Institute



Facts Sheet Proficiency Testing

Gas analysis: Binary gas mixtures

Schedule for 2018

Contact details:

VSL

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Samples:

<i>Item</i>	<i>Component</i>	<i>Range</i>	<i>Matrix</i>
1	CH ₄	1 - 10 ppm	N ₂
2	O ₂	100 - 1000 ppm	N ₂
3	NO _x	1 - 100 ppm	N ₂
4	H ₂ O	10-50 ppm	N ₂ or CH ₄

The samples will be supplied in an aluminium cylinder (DIN-1 or DIN-8 valve connection) with a water capacity of 5 L with a pressure of approximate 2.0 to 6.0 MPa.

Samples will be prepared by Scott Specialty Gases, the Netherlands.

Reference laboratory:

VSL, the Dutch National Metrology institute (traceability of the reference values is guaranteed)

Estimate number of participants:

Typical number of participants: 4

Measurements protocol:

Will be provided by e-mail after shipment of the cylinders, participants has two weeks to perform the analysis.

Evaluation:

Evaluation by E_n value based on reference values determined by VSL.

All participants will receive a report of the comparison within four weeks after ending the comparison cycle.

Confidential statement:

"VSL keeps all data regarding the performance of individual participants, or groups of participants, strictly confidential. Data is accordingly protected and stored in areas on networks with restricted access. The relationship between results and the laboratories that submitted them will never be disclosed. Only the laboratory is granted access to its performance through the assigned code number."

Schedule:

Contact us for specific schedule and fee details.

Requirement 5.9 ISO/IEC 17025:

Assuring quality of testing and calibration results: The laboratory will have quality control procedures for monitoring test validity and calibrations undertaken. This monitoring will be planned and validated and may include the following: *participation in interlaboratory comparisons or proficiency-testing programmes.*