

Fact Sheet Proficiency Test

Gas analysis: Determination of sulfur compounds in Natural Gas

This international PT scheme allows you to evaluate the analytical performances of your laboratory. This PT is suitable to evaluate methods prescribed in various international standards (e.g.: ASTM D5504, D6968, ISO 19739) and all in house developed methods for the determination of sulfur compounds in natural gas.

Contact details:

VSL B.V.
Thijsseweg 11
2629 JA Delft
the Netherlands

Mailing Address:
P.O. box 654
2600 AR Delft
the Netherlands

Coordinator:
Peter van Otterloo
+31 15 269 1500
ComPass@vsl.nl

Composition range:

Component		Range (ppm)
Hydrogen sulfide	H ₂ S	10 - 50
Carbonyl sulfide	COS	10 - 50
Methyl mercaptane	CH ₄ S	10 - 50
Ethyl mercaptane	C ₂ H ₆ S	10 - 50
Dimethyl sulfide	(CH ₃) ₂ S	10 - 50
Methane	CH ₄	Balance

The samples will be supplied in an aluminium cylinder (DIN-1 or DIN-5 valve connection) with a water capacity of 5 L with a pressure of approximate 5.0 Mpa.
Samples will be prepared by Scott Specialty Gases, the Netherlands.

Reference laboratory:

VSL, the Dutch National Metrology institute (traceability of the reference values to international measurement standards is guaranteed).

Estimate number of participants:

Typical number of participants: 2-4.

Measurements protocol:

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

Evaluation:

Evaluation by E_n based on reference values determined by VSL.
All participants will receive a full report within four weeks after completion of the comparison cycle.

Accreditation:

The organisation of this Proficiency Test is in accordance with the requirements of ISO/IEC-17043. Accreditation is granted by RvA, registration number R006.

Confidentiality 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."

Fee & Schedule:

The frequency is once a year. 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.*