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Natural gas — Determination of sulfur compounds — Determination of hydrogen sulfide content by UV absorption method

Gaz naturel — Détermination des composés soufrés — Détermination de la teneur en sulfure d'hydrogène par la méthode d'absorption UV

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Foreword

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This document was prepared by Technical Committee ISO/TC 193, *Natural gas*, Subcommittee SC 1, *Analysis of natural gas*.

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Natural gas — Determination of sulfur compounds — Determination of hydrogen sulfide content by UV absorption method

1 Scope

This document describes the test method for the determination of hydrogen sulfide content in natural gas by ultraviolet (UV) absorption method.

This document applies to the determination of hydrogen sulfide content in natural gas, in the range from 1 mg/m^3 to 50 mg/m^3.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6141, *Gas analysis — Contents of certificates for calibration gas mixtures*

ISO 6142-1, *Gas analysis — Preparation of calibration gas mixtures — Part 1: Gravimetric method for Class I mixtures*

ISO 6143, *Gas analysis — Comparison methods for determining and checking the composition of calibration gas mixtures*

ISO 6145, *Gas analysis — Preparation of calibration gas mixtures using dynamic methods*

ISO 10715, *Natural gas — Gas sampling*

ISO 12963, *Gas analysis — Comparison methods for the determination of the composition of gas mixtures based on one- and two-point calibration*

ISO 14532, *Natural gas — Vocabulary*

ISO 14912, *Gas analysis — Conversion of gas mixture composition data*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 14532 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Test conditions

The test conditions are the same as the calibration conditions.

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