STN	Zemný plyn Požiadavky plynovej chromatografie na výpočet rosného bodu uhľovodíka (ISO 23874: 2006)	STN EN ISO 23874
		38 6109

Natural gas - Gas chromatographic requirements for hydrocarbon dewpoint calculation (ISO 23874:2006)

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/19

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Natural gas - Gas chromatographic requirements for hydrocarbon dewpoint calculation (ISO 23874:2006)

Gaz naturel - Exigences relatives à la chromatographie en phase gazeuse pour le calcul du point de rosée hydrocarbures (ISO 23874:2006) Erdgas - Gaschromatographische Anforderungen für die Berechnung des Taupunktes von Kohlenwasserstoff (ISO 23874:2006)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 23874:2018 (E)

European foreword

The text of ISO 23874:2006 has been prepared by Technical Committee ISO/TC 193 "Natural gas" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 23874:2018 by Technical Committee CEN/TC 238 "Test gases, test pressures, appliance categories and gas appliance types" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2019, and conflicting national standards shall be withdrawn at the latest by March 2019.

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Endorsement notice

The text of ISO 23874:2006 has been approved by CEN as EN ISO 23874:2018 without any modification.

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky

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ISO 23874

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Natural gas — Gas chromatographic requirements for hydrocarbon dewpoint calculation

Gaz naturel — Exigences relatives à la chromatographie en phase gazeuse pour le calcul du point de rosée hydrocarbures



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ISO 23874:2006(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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ISO 23874 was prepared by Technical Committee ISO/TC 193, Natural gas, Subcommittee SC 1, Analysis of natural gas.

Natural gas — Gas chromatographic requirements for hydrocarbon dewpoint calculation

1 Scope

This International Standard describes the performance requirements for analysis of treated natural gas of transmission or pipeline quality in sufficient detail so that the hydrocarbon dewpoint temperature can be calculated using an appropriate equation of state. It can be applied to gases that have maximum dewpoint temperatures (cricondentherms) between 0 °C and – 50 °C. The pressures at which these maximum dewpoint temperatures are calculated are in the range 2 MPa (20 bar) to 5 MPa (50 bar). Major components are measured using ISO 6974 (all parts) and the ranges of components that can be measured are as defined in ISO 6974-1. The procedure given in this International Standard covers the measurement of hydrocarbons in the range C₅ to C₁₂. *n*-Pentane, which is quantitatively measured using ISO 6974 (all parts), is used as a bridge component and all C₆ and higher hydrocarbons are measured relative to *n*-pentane.

2 Normative references

The following referenced documents are indispensable for the application 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 6974-1, Natural gas — Determination of composition with defined uncertainty by gas chromatography — Part 1: Guidelines for tailored analysis

ISO 6974-2, Natural gas — Determination of composition with defined uncertainty by gas chromatography — Part 2: Measuring-system characteristics and statistics for processing of data

ISO 6974-3, Natural gas — Determination of composition with defined uncertainty by gas chromatography — Part 3: Determination of hydrogen, helium, oxygen, nitrogen, carbon dioxide and hydrocarbons up to C_8 using two packed columns

ISO 6974-4, Natural gas — Determination of composition with defined uncertainty by gas chromatography — Part 4: Determination of nitrogen, carbon dioxide and C_1 to C_5 and C_{6+} hydrocarbons for a laboratory and on-line measuring system using two columns

ISO 6974-5, Natural gas — Determination of composition with defined uncertainty by gas chromatography — Part 5: Determination of nitrogen, carbon dioxide and C_1 to C_5 and C_{6+} hydrocarbons for a laboratory and online process application using three columns

ISO 6974-6, Natural gas — Determination of composition with defined uncertainty by gas chromatography — Part 6: Determination of hydrogen, helium, oxygen, nitrogen, carbon dioxide and C_1 to C_8 hydrocarbons using three capillary columns

ISO 6975, Natural gas — Extended analysis — Gas-chromatographic method

ISO 10715, Natural gas — Sampling guidelines

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