



SLOVENSKI STANDARD
SIST-TS CEN ISO/TS 2610:2023

01-september-2023

Analiza zemeljskega plina - Biometan - Določevanje aminov (ISO/TS 2610:2022)

Analysis of natural gas - Biomethane - Determination of amines content (ISO/TS 2610:2022)

Analyse von Erdgas - Biomethan - Bestimmung des Amingehalts (ISO/TS 2610:2022)

Analyse du gaz naturel - Biométhane - Détermination de la teneur en amines (ISO/TS 2610:2022)

Ta slovenski standard je istoveten z: **CEN ISO/TS 2610:2023**

ICS:

75.060

Zemeljski plin

Natural gas

SIST-TS CEN ISO/TS 2610:2023

en,fr,de

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN ISO/TS 2610

July 2023

ICS 75.060

English Version

**Analysis of natural gas - Biomethane - Determination of
amines content (ISO/TS 2610:2022)**

Analyse du gaz naturel - Biométhane - Détermination
de la teneur en amines (ISO/TS 2610:2022)

Analyse von Erdgas - Biomethan - Bestimmung des
Amingehalts (ISO/TS 2610:2022)

This Technical Specification (CEN/TS) was approved by CEN on 26 June 2023 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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European foreword

The text of ISO/TS 2610:2022 has been prepared by Technical Committee ISO/TC 193 "Natural gas" of the International Organization for Standardization (ISO) and has been taken over as CEN ISO/TS 2610:2023 by Technical Committee CEN/TC 408 "Natural gas and biomethane for use in transport and biomethane for injection in the natural gas grid" the secretariat of which is held by AFNOR.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association.

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Endorsement notice

The text of ISO/TS 2610:2022 has been approved by CEN as CEN ISO/TS 2610:2023 without any modification.

TECHNICAL
SPECIFICATION

ISO/TS
2610

First edition
2022-08

**Analysis of natural gas — Biomethane
— Determination of amines content**

*Analyse du gaz naturel — Biométhane — Détermination de la teneur
en amines*

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document was developed in response to biomethane specifications such as EN 16723 (all parts)^[2]. In other regions, other specifications can apply for biomethane.

In the process of biogas upgrading into biomethane, alkanolamines are used for removing of sulphur-containing components and carbon dioxide. Due to this reason, trace level of these components can be present in biomethane. This method is suited for the detection of these components as well as the determination of their concentration. To inject biomethane into natural gas grids and to use it as an automotive fuel, it needs to meet specifications. For amines the maximum limit value in biomethane is set as 10 mg/m³ is set in EN 16723 (all parts)^[2]. Other specifications can state other thresholds.

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