

Installations and equipment for liquefied natural gas - Suitability testing of LNG sampling systems

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12838:2000 sisaldab Euroopa standardi EN 12838:2000 ingliskeelset teksti. Käesolev dokument on jõustatud 17.07.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 12838:2000 consists of the English text of the European standard EN 12838:2000. This document is endorsed on 17.07.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This standard specifies the tests to be carried out in order to assess the suitability of LNG sampling systems designed, in combination with an analytical device such as a chromatograph, to determine the composition of Liquefied Natural Gas.	Scope: This standard specifies the tests to be carried out in order to assess the suitability of LNG sampling systems designed, in combination with an analytical device such as a chromatograph, to determine the composition of Liquefied Natural Gas.
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ICS 75.200

Võtmesõnad:

ICS 75.200

English version

Installations and equipment for liquefied natural gas
Suitability testing of LNG sampling systems

Installations et équipements relatifs
au gaz naturel liquéfié – Essais
d'aptitude à l'emploi des systèmes
d'échantillonnage du GNL

Anlagen und Ausrüstung für Flüssig-
erdgas – Eignungsprüfung von
Flüssigerdgas-Probenahmesystemen

This European Standard was approved by CEN on 1999-12-03.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 282 "Installation and equipment for LNG", 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 July 2000, and conflicting national standards shall be withdrawn at the latest by July 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies the tests to be carried out in order to assess the suitability of LNG sampling systems designed to determine the composition of Liquefied Natural Gas, in combination with an analytical device such as a chromatograph.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1160, *Installations and equipment for liquefied natural gas - General characteristics of liquefied natural gas.*

ISO 2854, *Statistical interpretation of data - Techniques of estimation and tests relating to means and variances.*

ISO 6568, *Natural gas - Simple analysis by gas chromatography.*

ISO 6578, *Refrigerated hydrocarbon liquids - Static measurement - Calculation procedure.*

ISO 6976, *Natural gas - Calculation of calorific values, density, relative density and Wobbe index from composition.*

ISO 8943, *Refrigerated light hydrocarbon fluids - Sampling of liquefied natural gas - Continuous method.*

3 Terms and definitions

For the purposes of this European Standard, the following definitions in addition to those given in EN 1160, apply :

3.1

liquefied natural gas (LNG)

see EN 1160

3.2

transfer line

pipe through which LNG is transferred

3.3

sampling bomb

small capacity container filled with vaporized LNG and used to determine the composition by means of a chromatograph

3.4

continuous sampling

process for continuously collecting Liquefied Natural Gas from the transfer line, which is subsequently vaporized and stored in a gasholder

3.5

discontinuous sampling

process for continuously collecting Liquefied Natural Gas from the transfer line; the liquefied natural gas is subsequently vaporized and either analysed by chromatography at regular intervals, or sampled in sampling bombs at regular intervals

3.6

reference gas

gas against which the gas sampled, by means of the tested sampling system, is compared