

# SLOVENSKI STANDARD

## SIST EN ISO 6246:1998

01-maj-1998

Nadomešča:

SIST EN 26246:1998

SIST EN 5:1996

---

**Naftni proizvodi - Vsebnost smolnega ostanka v lahkih in srednjih destilatnih gorivih - Metoda s prepihavanjem (ISO 6246:1995)**

Petroleum products - Gum content of light and middle distillate fuels - Jet evaporation method (ISO 6246:1995)

**iTeh STANDARD PREVIEW**

Mineralölerzeugnisse - Abdampfrückstand von leichtflüchtigen und Mitteldestillat-Kraftstoffen - Aufblaseverfahren (ISO 6246:1995)

[SIST EN ISO 6246:1998](https://standards.itih.ai/catalog/standards/sist/a8c4d656-c723-4e48-a0b0-5e744ba39303/sist-en-iso-6246-1998)

Produits pétroliers - Teneur en gommes des distillats légers et moyens - Méthode d'évaporation au jet (ISO 6246:1995)

**Ta slovenski standard je istoveten z: EN ISO 6246:1997**

---

**ICS:**

75.160.20      Tekoča goriva      Liquid fuels

**SIST EN ISO 6246:1998**      en

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 6246:1998

<https://standards.iteh.ai/catalog/standards/sist/a8c4d656-c723-4e48-a0b0-5e744ba39303/sist-en-iso-6246-1998>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 6246

December 1997

ICS 75.160.00

Supersedes EN 26246:1993

Descriptors: petroleum products, fuels, liquid fuels, aviation fuels, gasoline, tests, determination, gums, evaporation analysis

English version

## Petroleum products - Gum content of light and middle distillate fuels - Jet evaporation method (ISO 6246:1995)

Produits pétroliers - Teneur en gommes des distillats légers et moyens - Méthode d'évaporation au jet (ISO 6246:1995)

Mineralölerzeugnisse - Abdampfrückstand von leichtflüchtigen und Mitteldestillat-Kraftstoffen - Aufblaseverfahren (ISO 6246:1995)

This European Standard was approved by CEN on 9 November 1997.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. 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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/a8c4d656-c723-4e48-a0b0-5e744ba39303/sist-en-iso-6246-1998>



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Page 2  
EN ISO 6246:1997

## Foreword

The text of the International Standard from Technical Committee ISO/TC 28 "Petroleum products and lubricants" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 19 "Petroleum products, lubricants and related products", the secretariat of which is held by NNI.

This European Standard replaces EN 26246:1993.

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 month of June 1998, and conflicting national standards shall be withdrawn at the latest by June 1998.

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.

## Endorsement notice

**(standards.iteh.ai)**

The text of the International Standard ISO 6246:1995 has been approved by CEN as a European Standard without any modification.

<https://standards.iteh.ai/catalog/standards/sist/a8c4d656-c723-4e48-a0b0-5e7341c18303/standards/iso-6246-1995>

NOTE: Normative references to International Standards are listed in annex ZA (normative).

**Annex ZA (normative)**  
**Normative references to international publications**  
**with their relevant European publications**

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 3696	1987	Water for analytical laboratory use - Specification and test methods	EN ISO 3696	1995

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 6246:1998](https://standards.iteh.ai/catalog/standards/sist/a8c4d656-c723-4e48-a0b0-5e744ba39303/sist-en-iso-6246-1998)

<https://standards.iteh.ai/catalog/standards/sist/a8c4d656-c723-4e48-a0b0-5e744ba39303/sist-en-iso-6246-1998>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 6246:1998

<https://standards.iteh.ai/catalog/standards/sist/a8c4d656-c723-4e48-a0b0-5e744ba39303/sist-en-iso-6246-1998>

INTERNATIONAL  
STANDARD

**ISO**  
**6246**

Second edition  
1995-08-15

---

---

**Petroleum products — Gum content of  
light and middle distillate fuels — Jet  
evaporation method**

**iTeh STANDARD PREVIEW**

**(standards.iteh.ai)**

*Produits pétroliers — Teneur en gommages des distillats légers et  
moyens — Méthode d'évaporation au jet*

SIST EN ISO 6246:1998

<https://standards.iteh.ai/catalog/standards/sist/a8c4d656-c723-4e48-a0b0-5e744ba39303/sist-en-iso-6246-1998>



Reference number  
ISO 6246:1995(E)

**ISO 6246:1995(E)****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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6246 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*.

This second edition cancels and replaces the first edition (ISO 6246:1981), which has been technically revised.

Annex A forms an integral part of this International Standard.

© ISO 1995

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization  
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland



# Petroleum products — Gum content of light and middle distillate fuels — Jet evaporation method

**WARNING** — The use of this International Standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

## 1 Scope

This International Standard specifies a method for the determination of the existent gum content of aviation fuels, and the gum content of motor gasolines or other volatile distillates in their finished form, and at the time of test.

For non-aviation fuels, a procedure for the determination of the heptane-insoluble portion of the residue is also described.

**CAUTION** — This method is not intended for the testing of gasoline components, particularly those with a high percentage of low-boiling unsaturated compounds, as they may cause explosions during evaporation.

NOTE 1 The true significance of this test method for determining gum in motor gasoline is not firmly established. It has been proved that high gum content can cause induction-system deposits and sticking of intake valves, and in most instances it can be assumed that low gum content will ensure absence of induction-system difficulties. The user should, however, realize that the test is not of itself correlative to induction-system deposits. The primary purpose of the test, as applied to motor gasoline, is the measurement of the oxidation products formed in the sample prior to or during the comparatively mild conditions of the test procedure. Since many motor gasolines are purposely blended with non-volatile oils or additives, the heptane extraction step is necessary to remove these from the evaporation residue so that the deleterious material, gum, may be determined. With respect to aviation turbine fuels, large quantities of gum are indicative of contamination of fuel by

higher boiling oils or particulate matter and generally reflect poor handling practices in distribution downstream of the refinery.

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3170:1988, *Petroleum liquids — Manual sampling*.

ISO 3171:1988, *Petroleum liquids — Automatic pipeline sampling*.

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*.

ISO 4788:1980, *Laboratory glassware — Graduated measuring cylinders*.

ISO 6353-2:1983, *Reagents for chemical analysis — Part 2: Specifications — First series*.

ISO 6353-3:1987, *Reagents for chemical analysis — Part 3: Specifications — Second series*.