
Jedrska energija - Določevanje dušika v sintranih peletih UO₂, (U,Gd)O₂ in (U,Pu)O₂ - Metoda z ekstrakcijo inertnih plinov in ugotavljanjem prevodnosti (ISO 12799:2015)

Nuclear energy - Determination of nitrogen content in UO₂, (U,Gd)O₂ and (U,Pu)O₂ sintered pellets - Inert gas extraction and conductivity detection method (ISO 12799:2015)

Kernenergie - Bestimmung des Stickstoffgehalts in UO₂-, (U,Gd)O₂- und (U,Pu)O₂-gesinterten Pellets - Schutzgasextraktion und Leitfähigkeitsbestimmungsverfahren (ISO 12799:2015)

Énergie nucléaire - Dosage de la teneur en azote des pastilles frittées d'UO₂, (U,Gd)O₂ et (U,Pu)O₂ - Méthode d'extraction par gaz inerte et méthode de mesure de la conductivité (ISO 12799:2015)

Ta slovenski standard je istoveten z: EN ISO 12799:2019

ICS:

27.120.30	Cepljivi materiali in jedrska gorivna tehnologija	Fissile materials and nuclear fuel technology
-----------	---	---

SIST EN ISO 12799:2019

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12799:2019

<https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019>

EUROPEAN STANDARD

EN ISO 12799

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2019

ICS 27.120.30

English Version

Nuclear energy - Determination of nitrogen content in
UO₂, (U,Gd)O₂ and (U,Pu)O₂ sintered pellets - Inert gas
extraction and conductivity detection method (ISO
12799:2015)

Énergie nucléaire - Dosage de la teneur en azote des
pastilles frittées d'UO₂, (U,Gd)O₂ et (U,Pu)O₂ -
Méthode d'extraction par gaz inerte et méthode de
mesurage de la conductivité (ISO 12799:2015)

Kernenergie - Bestimmung des Stickstoffgehalts in
UO₂-, (U,Gd)O₂- und (U,Pu)O₂-gesinterter Pellets -
Schutzgasextraktion und
Leitfähigkeitsbestimmungsverfahren (ISO
12799:2015)

This European Standard was approved by CEN on 8 March 2019.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

Contents	Page
European foreword.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12799:2019
<https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019>

European foreword

The text of ISO 12799:2015 has been prepared by Technical Committee ISO/TC 85 "Nuclear energy, nuclear technologies, and radiological protection" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 12799:2019 by Technical Committee CEN/TC 430 "Nuclear energy, nuclear technologies, and radiological protection" 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 December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

iTeh STANDARD PREVIEW Endorsement notice (standards.iteh.ai)

The text of ISO 12799:2015 has been approved by CEN as EN ISO 12799:2019 without any modification.

[SIST EN ISO 12799:2019](https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019)

<https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12799:2019

<https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019>

INTERNATIONAL
STANDARDISO
12799First edition
2015-03-15

**Nuclear energy — Determination of
nitrogen content in UO_2 , $(\text{U,Gd})\text{O}_2$ and
 $(\text{U,Pu})\text{O}_2$ sintered pellets — Inert gas
extraction and conductivity detection
method**

*Énergie nucléaire — Dosage de la teneur en azote des pastilles frittées
d' UO_2 , $(\text{U,Gd})\text{O}_2$ et $(\text{U,Pu})\text{O}_2$ — Méthode d'extraction par gaz inerte et
méthode de mesurage de la conductivité*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12799:2019

<https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019>

Reference number
ISO 12799:2015(E)

© ISO 2015

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12799:2019

<https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents		Page
Foreword		iv
1 Scope		1
2 Principle		1
3 Interferences		1
4 Reagents and materials		1
5 Apparatus		2
6 Sampling		2
6.1 Sampling procedure		2
6.2 Sample preparation		2
7 Procedure		2
7.1 Calibration		3
7.1.1 Blank test.....		3
7.1.2 Calibration of the analyser		3
7.1.3 Check of the calibration using metal standard		3
7.2 Determination		3
8 Calculation		4
9 Precision		4
10 Test report		4
Bibliography		5

[SIST EN ISO 12799:2019](https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019)
<https://standards.iteh.ai/catalog/standards/sist/4de6aeca-6722-4742-bb11-6619fc0897d0/sist-en-iso-12799-2019>