

Unsealed radioactive substances - Identification and  
documentation (ISO 3925:2014)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 3925:2015 sisaldab Euroopa standardi EN ISO 3925:2015 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 3925:2015 consists of the English text of the European standard EN ISO 3925:2015.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 16.09.2015.	Date of Availability of the European standard is 16.09.2015.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 13.280

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English Version

## Unsealed radioactive substances - Identification and documentation (ISO 3925:2014)

Substances radioactives non scellées - Identification et documentation (ISO 3925:2014)

Nichtumschlossene radioaktive Stoffe - Kennzeichnung und Dokumentation (ISO 3925:2014)

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

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## European foreword

The text of ISO 3925:2014 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 3925:2015 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of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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### Endorsement notice

The text of ISO 3925:2014 has been approved by CEN as EN ISO 3925:2015 without any modification.

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# Unsealed radioactive substances — Identification and documentation

## 1 Scope

This International Standard establishes the requirements for the identification and documentation of unsealed radioactive substances issued commercially by suppliers and which are intended for further handling or processing, either physical or chemical.

Requirements for radiopharmaceuticals and standard sources are not covered.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 361, *Basic ionizing radiation symbol*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **unsealed radioactive substance**

radioactive substance placed in a container in a way enabling its further physical or chemical processing;

Note 1 to entry: The container does not meet or has not been demonstrated to meet the requirements for a sealed source as defined in ISO 2919.

### 3.2

#### **radionuclidic purity**

proportion of the total activity that is present in the sample as a specific radionuclide

### 3.3

#### **radiochemical purity**

percentage present in the sample of a given radionuclide that is in one specified chemical form

[SOURCE: ISO 921:1997]

### 3.4

#### **specific activity**

total activity of the sample divided by its mass

### 3.5

#### **activity concentration**

total activity of the sample divided by its volume

## 4 Identification

The container of the unsealed radioactive substance shall be durably and legibly marked with the following:

- a) manufacturer's name or symbol;