



International
Standard

ISO 7097-1

**Nuclear fuel technology —
Determination of uranium in
solutions, uranium hexafluoride
and solids —**

**Part 1:
Iron(II) reduction/potassium
dichromate oxidation
titrimetric method**

*Technologie du combustible nucléaire — Dosage de l'uranium
dans des solutions, l'hexafluorure d'uranium et des solides —*

*Partie 1: Méthode titrimétrique par réduction au fer(II) et
oxydation au bichromate de potassium*

**Second edition
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Foreword

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This document was prepared by Technical Committee ISO/TC 85, *Nuclear energy, nuclear technologies, and radiological protection*, Subcommittee SC 5, *Nuclear installations, processes and technologies*.

This second edition cancels and replaces the first edition (ISO 7097-1:2004), which has been technically revised.

The main changes are as follows:

- aliquot size has been reduced (see [Clause 4](#));
- information on interferences has been updated (see [5.2](#));
- requirements for standardisation of potassium dichromate titrant were updated (see [6.16](#));
- previous [Annex A](#) was divided into two annexes ([Annex A](#) and [Annex B](#)).

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