
**Nuclear fuel technology —
Determination of plutonium in
pure plutonium nitrate solutions —
Gravimetric method**

*Technologie du combustible nucléaire — Détermination du
plutonium dans les solutions de nitrate de plutonium pur — Méthode
gravimétrique*

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Foreword

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The committee responsible for this document is ISO/TC 85, *Nuclear energy, nuclear technologies, and radiological protection*, Subcommittee SC 5, *Nuclear fuel cycle*.

This second edition cancels and replaces the first edition (ISO 8425:1987).

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Introduction

This International Standard specifies a precise and accurate method for determining the concentration of plutonium in pure plutonium nitrate solutions and reference solutions.

This method is based on an oxidation of the plutonium followed by weighing.

Respecting certain conditions, the overall standard deviation on a single determination (gravimetric determination and impurities correction) can be below 0,1 %.

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