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Nuclear energy — Determination of chlorine and fluorine in uranium dioxide powder and sintered pellets

*Énergie nucléaire — Détermination du chlore et du fluor dans les
poudres de dioxyde d'uranium et les pastilles frittées*



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Foreword

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ISO 22875 was prepared by Technical Committee ISO/TC 85, *Nuclear energy*, Subcommittee SC 5, *Nuclear fuel technology*.

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Introduction

This International Standard describes a method for determining the chlorine and fluorine concentrations in uranium dioxide and in sintered fuel pellets by pyrohydrolysis of samples, followed either by liquid ion-exchange chromatography or by selective electrode measurement of chlorine and fluorine ions.

Many ion-exchange chromatography systems and ion-selective electrode measurement systems are available; the equipment and operating procedure are, therefore, not described in detail.