

DIN EN ISO 21613:2018-01 (E)

(U, Pu)O₂ Powders and sintered pellets - Determination of chlorine and fluorine (ISO 21613:2015)

Contents		Page
European foreword		3
Foreword		4
1	Scope	5
2	Normative references	5
3	Principle	5
4	Reagents	5
5	Equipment	8
5.1	Standard laboratory equipment	8
5.5	Ion analysis measuring with selective electrode equipment	9
5.6	Ion-exchange chromatography system	9
5.7	Mortar	9
6	Operating procedure	10
6.1	Sample pyrohydrolysis	10
6.1.1	Blank test	10
6.1.2	(U,Pu)O ₂ powder sample	10
6.1.3	(U,Pu)O ₂ pellet sample	10
6.1.4	Pyrohydrolysis	10
6.2	Measurement of pyrohydrolysis solutions	12
6.2.1	Measurement by selective electrode	12
6.2.2	Measurement by ionic chromatography	13
6.3	Expression of results	13
6.3.1	Calculation	13
6.3.2	Validation limits	14
6.3.3	Determination limits	14
6.3.4	Determination uncertainty	15
7	Test report	15
Bibliography		16