

ISO 8300:2013-12 (E)

Nuclear fuel technology - Determination of plutonium content in plutonium dioxide of nuclear grade quality - Gravimetric method

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Principle	1
3	Interferences	1
4	Apparatus	1
5	Procedure	2
5.1	Handling of the sample at the sampling station	2
5.2	Tarring of crucibles	2
5.3	Sub-sampling	2
5.4	Heating	2
5.5	Additional measurements	2
6	Expression of result	3
6.1	Calculation of the gravimetric conversion factor	3
6.2	Calculation of impurity correction factor	3
6.3	Calculation of plutonium concentration	3
6.4	Repeatability	4
6.5	Systematic errors	4
7	Test report	4
Annex A (informative) Gravimetric conversion factor for the non-volatile impurities		5