

ISO 15366-1:2014-07 (E)

Nuclear fuel technology - Chemical separation and purification of uranium and plutonium in nitric acid solutions for isotopic and isotopic dilution analysis by solvent extraction chromatography - Part 1: Samples containing plutonium in the microgram range and uranium in the milligram range

Contents		Page
Foreword		iv
1	Scope	1
2	Principle of the method	1
3	Apparatus	1
4	Reagents	2
5	Procedure (see Figure 1)	2
6	Characteristics of the separation	4
7	Quality control	5
8	Interferences	5
Annex A (normative)	Packing and conditioning of the chromatographic columns as used in the ISO 15366 1 procedure, loaded with an inert silica support coated with tri-n-octylphosphine-oxide (TOPO)	7
Bibliography		10