

# 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**

---

<b>Contents</b>		<b>Page</b>
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