ISO 16795:2024-04 (E)

Nuclear energy - Determination of Gd_2O_3 content in pellets containing uranium oxide by X-ray fluorescence spectrometry

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Apparatus 1

6 Reagents 2

7 Preparation of standards 2

8 Polishing 3

9 Equipment calibration 3
9.1 Angle calibration 3
9.2 Pulse-height distribution 3
9.3 Background correction 3
9.4 Stability (sensitivity) check 3

10 Calibration curve 4

11 Measurements 4

12 Precision and accuracy 4

13 Test report 4

Annex A (informative) Angle calibration and background correction 6

Annex B (informative) Precision and accuracy 7

Bibliography 8