

ISO 12800:2003-12 (E)

Nuclear fuel technology - Guide to the measurement of the specific surface area of uranium oxide powders by the BET method

Contents		Page
Foreword		iv
1	Scope	1
2	Principle	1
2.1	Summary of the method	1
2.2	Isothermal adsorption curves	1
2.3	Conditions and assumptions	2
3	Procedure	3
3.1	Sample preparation	3
3.2	Volumetric measurement [3, 4]	3
3.3	Gravimetric measurement [5]	3
3.4	Original and single-point methods	3
3.5	Dynamic method (carrier gas method)	4
3.6	Alternative methods	4
4	Expression of results	4
4.1	Methods of calculation	4
4.2	Precision	6
5	Test report	6
Bibliography		7