

ISO 13125:2013-03 (E)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for antifungal activity of semiconducting photocatalytic materia ls

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	2
5	Principle	2
6	Materials	3
6.1	Test fungi	3
6.2	Chemicals and implements	3
7	Apparatus	4
7.1	General	4
7.2	Irradiating equipment	4
7.3	Black light blue lamp (BLB lamp)	4
7.4	Ultraviolet light radiometer	4
7.5	Adhesive film	4
7.6	Glass pane	4
7.7	Test vessel	4
8	Test piece	5
8.1	Preparation of test pieces	5
8.2	Use of test pieces	5
8.3	Cleaning of test pieces	5
9	Procedure	5
9.1	Test temperature	5
9.2	Photoirradiation	5
9.3	Preparation of fungal spore suspension	5
9.4	Estimation of the number of surviving spore	6
9.5	UV Irradiation test	6
10	Calculation	8
10.1	Surviving spore concentration of recovery solution	8
10.2	Number of surviving spores	8
10.3	Validity of the test	8
10.4	Antifungal activity value in irradiation condition L	9
10.5	Antifungal activity value with UV irradiation by removing the effect in the dark	9
11	Test report	9
Bibliography		11