

# ISO 13125:2013-03 (E)

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

---

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