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**Fine ceramics (advanced ceramics,
advanced technical ceramics) —
Test method for air-purification
performance of semiconducting
photocatalytic materials under indoor
lighting environment —**

**Part 1:
Removal of nitric oxide**



Reference number
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Foreword

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Introduction

Photocatalyst is a substance that performs decomposition and removal of contaminants, self-cleaning, antifogging, deodorization and antibacterial actions under photoirradiation. Its application has expanded considerably in recent years. The application of photocatalysts for indoor spaces has increasingly been sought as a solution to indoor environmental problems. Since conventional photocatalysts are responsive only to ultraviolet light, studies have been made to develop an indoor-light-active photocatalyst that makes effective use of indoor light, which room lights mainly emit, and thus demonstrates high photocatalytic performance indoors. The development has recently led to the commercialization of various indoor-light-active photocatalytic products, and there has been demand for the establishment of test methods to evaluate the performance of this type of photocatalyst.

This document is based on ISO 22197-1, a test method for air purification performance of photocatalytic materials under UV light, and is intended to provide a testing method to determine the performance of indoor-light-active photocatalytic materials with regards to the removal of nitric oxide, enabling swift distribution of photocatalytic products and thus contributing to a safe and clean environment.