SLOVENSKI STANDARD
SIST EN ISO 17947-1:2027

01-januar-2027

Fina keramika (sodobna keramika, sodobna tehnična keramika) - Metode za kemijsko analizo finih praškov silicijevega nitrida - 1. del: Mokre kemijske metode, rentgenska fluorescenca (XRF) z metodo taljenih krogel, vroča ekstrakcija z nosilnim plinom (CGHE) in metode zgorevanja (ISO 17947-1:2026)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for chemical analysis of silicon nitride powders - Part 1: Wet chemical methods, X-ray fluorescence (XRF) using the fused cast-bead method, carrier-gas hot extraction (CGHE) and combustion methods (ISO 17947-1:2026)

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Hochleistungskeramik - Verfahren zur chemischen Analyse von Pulvern aus Siliciumnitrid - Teil 1: Nasschemische Verfahren, Röntgenfluoreszenzanalyse (RFA) unter Anwendung des Schmelzaufschluss-Verfahrens, Trägergasheißextraktion (CGHE) und Verbrennungsverfahren (ISO 17947-1:2026)

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Céramiques techniques - Méthodes pour l’analyse chimique de poudres de nitrure de silicium - Partie 1: Méthodes chimiques par voie humide, fluorescence de rayons X (XRF) utilisant la méthode de la perle fondue, extraction à chaud sous gaz vecteur (CGHE) et méthodes de combustion (ISO 17947-1:2026)

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ICS:

81.060.30	Sodobna keramika	Advanced ceramics

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First edition
2026-10

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Part 1: Wet chemical methods, X-ray fluorescence (XRF) using the fused cast-bead method, carrier-gas hot extraction (CGHE) and combustion methods

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Introduction

This document has been developed from Japanese Industrial Standard JIS R 1603:2007[1] with reference to CEN ENV 14226:2002[2] and ASTM C1494-01:2007[3], and is applicable to the chemical analysis of silicon nitride raw powders for fine ceramics use. This document covers both major and minor constituents, such as silicon, nitrogen, and some trace metallic and non-metallic elements.

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