

DIN EN ISO 21068-4:2024-11 (E)

Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon - Part 4: XRD methods (ISO 21068-4:2024)

Contents		Page
European foreword.....		3
Foreword.....		4
Introduction.....		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Apparatus	7
5	Sampling	7
6	Procedure	7
	6.1 Sample preparation.....	7
	6.2 Measuring parameters.....	7
	6.3 Qualitative analysis.....	8
	6.4 Quantitative analysis.....	8
	6.4.1 General.....	8
	6.4.2 Calculation.....	9
7	Precision	12
	7.1 Repeatability.....	12
	7.2 Reproducibility.....	12
8	Test report	12
Annex A (informative) X-ray diffraction data for the determination of β'-SiAlON content		13
Bibliography		16