

ISO 5189:2023-09 (E)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for chemical analysis of metal impurities in silicon dioxide powders using inductively coupled plasma-optical emission spectrometry

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Analytes and ranges	1
5	Preparation of test sample	2
5.1	General	2
5.2	Sampling	2
5.3	Drying	2
5.4	Weighing	2
6	Reporting analytical values	2
6.1	Blank test	2
6.2	Evaluation of analytical values	2
6.3	Expression of analytical values	3
7	Decomposition of test sample	3
7.1	Reagents	3
7.2	Apparatus and instruments	3
7.3	Sample decomposition	3
7.4	Blank test	4
8	Determination of impurity elements	4
8.1	Reagents	4
8.2	Apparatus and instruments	5
8.3	Measurement	5
8.4	Drawing of the calibration curve	5
8.5	Calculation	5
9	Test report	6
Annex A (informative) Analytical results obtained from the interlaboratory test		7
Bibliography		10