

ISO 21822:2019-11 (E)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Measurement of iso-electric point of ceramic powder

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	3
5	Apparatus and calibration	3
5.1	Zeta potential analyser and calibration	3
5.2	pH meter	3
5.3	Sample dispersion vessel	3
5.4	Sonicator	4
5.5	Balance	4
5.6	Temperature-control device	4
5.7	Magnetic stirrer	4
6	Operational procedures	4
6.1	Dispersion solution	4
6.2	pH-adjusting acid or base and electrolyte solution	4
6.3	Sample preparation and dispersion	4
6.3.1	Preparation	4
6.3.2	Dispersion	4
6.3.3	Stabilization	5
7	Measurement	5
8	Determination of the iso-electric point	5
9	Test report	6
Bibliography		7