

# DIN EN ISO 21078-1:2008-04 (E)

Determination of boron (III) oxide in refractory products - Part 1: Determination of total boron (III) oxide in oxidic materials for ceramics, glass and glazes (ISO 21078-1:2008)

---

<b>Contents</b>		<b>Page</b>
	<b>Foreword</b> .....	<b>3</b>
<b>1</b>	<b>Scope</b> .....	<b>4</b>
<b>2</b>	<b>Normative references</b> .....	<b>4</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>5</b>
<b>4</b>	<b>Preparation of the test sample</b> .....	<b>5</b>
<b>5</b>	<b>Number of determinations</b> .....	<b>5</b>
<b>6</b>	<b>Determination of boron(III) oxide by alkaline titrimetry</b> .....	<b>6</b>
<b>7</b>	<b>Determination of boron(III) oxide by azomethine H absorption spectrophotometry</b> .....	<b>8</b>
<b>8</b>	<b>Determination of boron(III) oxide by curcumin absorption spectrophotometry</b> .....	<b>11</b>
<b>9</b>	<b>Determination of boron(III) oxide by inductively coupled plasma atomic emission spectrometry (ICP-AES)</b> .....	<b>15</b>
<b>10</b>	<b>Expression of test results</b> .....	<b>17</b>
<b>11</b>	<b>Test report</b> .....	<b>18</b>
	<b>Annex A (informative) Interlaboratory test results</b> .....	<b>19</b>