

# ISO 105-B04:2024-03 (E)

## Textiles - Tests for colour fastness - Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test

---

<b>Contents</b>	<b>Page</b>
Foreword.....	iv
Introduction.....	v
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Principle</b> .....	<b>2</b>
<b>5 Materials</b> .....	<b>2</b>
5.1 Blue wool references.....	2
5.2 Glass case for blue wool references.....	2
5.3 Specimen mounting cards.....	2
5.4 Specimen covers.....	2
5.5 Specimen holders.....	2
5.6 Grey scale for assessing change in colour.....	2
<b>6 Apparatus</b> .....	<b>3</b>
6.1 Laboratory light source.....	3
6.1.1 General.....	3
6.1.2 Spectral irradiance.....	3
6.2 Test chamber.....	4
6.3 Radiometer.....	5
6.4 Temperature sensors.....	5
6.4.1 General.....	5
6.4.2 Chamber air temperature thermometer.....	5
6.4.3 Black-standard thermometer (BST) and black-panel thermometer (BPT).....	5
<b>7 Exposure conditions</b> .....	<b>5</b>
7.1 General.....	5
7.2 Exposure of test specimens.....	5
7.3 Exposure of colour fastness references.....	6
<b>8 Test specimens</b> .....	<b>6</b>
<b>9 Procedure</b> .....	<b>6</b>
9.1 General.....	6
9.2 Exposure methods.....	7
9.2.1 General.....	7
9.2.2 Method 1.....	7
9.2.3 Method 2.....	7
9.2.4 Method 3.....	8
9.3 Drying.....	8
9.4 Mounting for assessment.....	8
<b>10 Assessment of colour fastness to weathering</b> .....	<b>8</b>
<b>11 Test report</b> .....	<b>9</b>
<b>Annex A (informative) General information on colour fastness to light</b> .....	<b>10</b>
<b>Annex B (informative) Radiometer for controlling exposure duration</b> .....	<b>12</b>
<b>Bibliography</b> .....	<b>13</b>