

# ISO 15012-1:2013-04 (E)

## Health and safety in welding and allied processes - Equipment for capture and separation of welding fume - Part 1: Requirements for testing and marking of separation efficiency

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Requirement .....</b>	<b>2</b>
<b>5</b>	<b>Principle .....</b>	<b>2</b>
<b>6</b>	<b>Equipment .....</b>	<b>2</b>
<b>7</b>	<b>Test method .....</b>	<b>5</b>
7.1	Selection of test arrangement .....	5
7.2	Test conditions .....	5
7.3	Procedure .....	5
7.4	Calculation of the separation efficiency .....	9
<b>8</b>	<b>Accuracy of measurement .....</b>	<b>9</b>
<b>9</b>	<b>Marking .....</b>	<b>9</b>
<b>Annex A (normative) Label for welding fume separation equipment .....</b>		<b>10</b>
<b>Annex B (informative) Welding fume source .....</b>		<b>11</b>
<b>Annex C (informative) Test cabin .....</b>		<b>13</b>
<b>Bibliography .....</b>		<b>14</b>