

# ISO 3308:2012-10 (E)

## Routine analytical cigarette-smoking machine - Definitions and standard conditions

---

<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>Standard conditions .....</b>	<b>3</b>
<b>4.1</b>	<b>Machine pressure drop .....</b>	<b>3</b>
<b>4.2</b>	<b>Puff duration .....</b>	<b>3</b>
<b>4.3</b>	<b>Puff volume .....</b>	<b>4</b>
<b>4.4</b>	<b>Puff frequency .....</b>	<b>4</b>
<b>4.5</b>	<b>Puff profile .....</b>	<b>4</b>
<b>4.6</b>	<b>Restricted smoking .....</b>	<b>4</b>
<b>4.7</b>	<b>Puff number .....</b>	<b>4</b>
<b>4.8</b>	<b>Cigarette holder .....</b>	<b>4</b>
<b>4.9</b>	<b>Cigarette position .....</b>	<b>6</b>
<b>4.10</b>	<b>Ashtray position .....</b>	<b>6</b>
<b>5</b>	<b>Specification for the routine analytical smoking machine .....</b>	<b>6</b>
<b>5.1</b>	<b>General .....</b>	<b>6</b>
<b>5.2</b>	<b>Operating principle and puff profile .....</b>	<b>7</b>
<b>5.3</b>	<b>Reliability and compensation .....</b>	<b>7</b>
<b>5.4</b>	<b>Cigarette holders and smoke traps .....</b>	<b>8</b>
<b>5.5</b>	<b>Test atmosphere .....</b>	<b>9</b>
<b>5.6</b>	<b>Puff counting .....</b>	<b>9</b>
<b>5.7</b>	<b>Ignition .....</b>	<b>9</b>
<b>5.8</b>	<b>Smoking enclosure .....</b>	<b>9</b>
<b>Annex A (normative)</b>	<b>Ambient air flow around cigarettes in routine analytical smoking machines: Control and monitoring .....</b>	<b>11</b>
<b>Annex B (informative)</b>	<b>Description of the puffing mechanism of a piston-type smoking machine.</b>	<b>18</b>
<b>Annex C (informative)</b>	<b>Diagrammatic representation of a puff profile .....</b>	<b>23</b>
<b>Bibliography .....</b>		<b>25</b>