

# ISO 5501-3:2024-05 (E)

## Tobacco heating systems - Definitions and standard conditions for aerosol generation and collection - Part 3: Carbon heated tobacco products ( cHTPs)

---

<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>
4.1	Machine pressure drop .....	3
4.2	Puff duration .....	3
4.3	Puff volume .....	3
4.4	Puff frequency .....	4
4.5	Puff profile .....	4
4.6	Puff number .....	4
<b>5</b>	<b>Specification of the machine .....</b>	<b>4</b>
5.1	General .....	4
5.2	Operating principle and puff profile .....	5
5.3	Reliability and compensation .....	5
5.4	THS holder .....	5
5.5	Aerosol traps .....	5
5.6	Sample conditioning and handling .....	7
5.7	Test atmosphere .....	8
5.8	Vent blocking .....	8
5.9	Ignition of carbon heat source and initiation of collection .....	8
5.10	Termination of collection .....	8
5.11	Sample failure .....	8
<b>6</b>	<b>Control and monitoring of ambient air flow around cHTP .....</b>	<b>9</b>
6.1	General .....	9
6.2	Air velocity measurement locations .....	9
6.2.1	General .....	9
6.2.2	Machines, type a) .....	9
6.2.3	Machines, type b) .....	9
6.3	Specification of the air velocity meter .....	9
Bibliography .....		10