# 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)

## Contents

Page


Foreword ..... iv

Introduction ..... v

1 Scope ..... 1

2 Normative references ..... 1

3 Terms and definitions ..... 1

4 Standard conditions ..... 3
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

5 Specification of the machine ..... 4
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

6 Control and monitoring of ambient air flow around cHTP ..... 9
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