ISO 20779:2018 (E)

Cigarettes — Generation and collection of total particulate matter using a routine analytical smoking machine with an intense smoking regime

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Apparatus

6 Sampling

7 Generation and collection of total particulate matter

- 7.1 Preparation of the cigarettes for smoking
- 7.1.1 General
- 7.1.2 Selection of test portions from a bulk of Q cigarettes
- 7.1.3 Selection of test portions from P packets
- 7.1.4 Duplicate test portions
- 7.2 Marking the butt length
- 7.2.1 Standard butt length
- 7.2.2 Measurement of length of filter
- 7.2.3 Measurement of length of overwrap
- 7.2.4 Butt length to be marked on the cigarettes before conditioning
- 7.3 Sealing the filter ventilation holes
- 7.4 Selection of cigarettes
- 7.5 Conditioning
- 7.6 Preliminary tests before smoking
- 7.7 Smoking and collection of particulate matter
- 7.7.1 Smoking plan
- 7.7.2 Preparation of smoke traps and cigarette holders
- 7.7.3 Setting up the smoking machine
- 7.7.3.1 General
- 7.7.3.2 Measurement of puff duration
- 7.7.3.3 Checking of puff frequency
- 7.7.3.4 Measurement of puff volume
- 7.7.4 Procedure for smoking run
- 7.8 Collection of total particulate matter
- 7.9 Calculation of total particulate matter

8 Test report

Annex A (informative) Smoking plans

- A.1 General
- A.2 EXAMPLE 1: Comparison of two types of cigarettes on one single-channel smoking machine
- A.3 EXAMPLE 2: Comparison of three types of cigarettes on one single-channel smoking machine
- A.4 EXAMPLE 3: Comparison of two types of cigarettes on one four-channel smoking machine

A.5 EXAMPLE 4: Comparison of 20 types of cigarettes on one 20-channel smoking machine
A.6 EXAMPLE 5: Comparison of five types of cigarettes on one 20-channel smoking machine

Page count: 16