

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