

ISO 15592-3:2025-06 (E)

Fine-cut tobacco and smoking articles made from it - Methods of sampling, conditioning and analysis - Part 3: Determination of total particulate matter of smoking articles using a routine analytical smoking machine, preparation for the determination of water and nicotine, and calculation of nicotine-free dry particulate matter

Contents

Page

Foreword.....	v
Introduction.....	vi
1 Scope.....	1
2 Normative references.....	1
3 Terms, definitions and symbols.....	2
3.1 Terms and definitions.....	2
3.2 Symbols.....	3
4 Principle.....	3
5 Apparatus.....	4
6 Sampling.....	5
7 Wrapper used for making FCSAs.....	6
7.1 General.....	6
7.2 Manufacture of standard tubes from the wrapper.....	6
7.3 Determination of average tube mass.....	6
8 Making of the laboratory fine-cut smoking articles.....	6
8.1 General.....	6
8.2 Specification of the FCSAs to be made.....	6
8.3 Preparation and selection of the FCSAs for test.....	6
8.4 Special precautions.....	7
9 Determination of total particulate matter.....	7
9.1 Preparation of the fine-cut smoking articles for smoking.....	7
9.1.1 Number of samples.....	7
9.1.2 Selection of test portions from a bulk of <i>Q</i> FCSAs.....	8
9.1.3 Duplicate test portions.....	8
9.2 Marking the insertion depth and butt length.....	8
9.2.1 Standard insertion depth.....	8
9.2.2 Standard butt length.....	8
9.2.3 Marking the insertion depth and butt length.....	8
9.3 Conditioning and testing conditions.....	8
9.4 Preliminary tests before smoking.....	8
9.5 Smoking and collection of particulate matter.....	9
9.5.1 Smoking plan.....	9
9.5.2 Preparation of smoke traps and FCSA holders.....	9
9.5.3 Setting up the smoking machine.....	9
9.5.4 Procedure for smoking run.....	10
9.6 Removal of smoke traps and FCSA holders.....	10
9.7 Calculation of total particulate matter.....	11
9.8 Treatment of total particulate matter for the determination of water and nicotine.....	11
9.8.1 Extraction procedure.....	11
9.8.2 Water determination and calculation of DPM.....	11
9.8.3 Nicotine determination and calculation of NFDPM.....	12

10	Test report	12
	10.1 General.....	12
	10.2 Characteristic data about the fine-cut tobacco.....	12
	10.3 Sampling.....	12
	10.4 Description of test.....	13
	10.5 Test results.....	13
11	Precision and collaborative study	14
	11.1 Collaborative wrapper study.....	14
	11.2 Precision.....	14
	Annex A (normative) Wrapper specification	15
	Annex B (normative) Expanded tobacco	16
	Bibliography	18