ISO/TS 22492:2019 (E)

Water pipe tobacco products — Determination of carbon monoxide emission of glowing water pipe charcoal — NDIR method

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Apparatus

6 Standard gas mixtures

7 Procedure

- 7.1 Conditioning
- 7.2 Calibration of the NDIR analyser
- 7.3 Smoking and collection of vapour phase
- 7.3.1 Preparation of vapour phase collection system
- 7.3.2 Selection of the charcoal
- 7.3.3 Preparation of the routine analytical water pipe tobacco smoking machine
- 7.3.4 Testing procedure
- 7.4 Measurement of carbon monoxide volume concentration

8 Expression of results

- 8.1 Calculation of the average emission of carbon monoxide per piece of charcoal
- 8.2 Calculation of the average emission of carbon monoxide per puff
- 8.3 Calculation of the average mass of carbon monoxide per piece of charcoal
- 8.4 Calculation of the average mass of carbon monoxide per puff

9 Repeatability and reproducibility

10 Test report

- 10.1 General
- 10.2 Characteristic data about the charcoal sample and identification
- 10.3 Sampling
- 10.4 Description of test
- 10.5 Test results

Page count: 8