ISO 22980:2020 (E)

Tobacco — Determination of the content of total alkaloids as nicotine — Continuous-flow analysis method using KSCN/DCIC

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Reagents

6 Preparation of solutions

- 6.1 General
- 6.2 System wash solution
- 6.3 5 % acetic acid solution
- 6.4 Sampler wash solution
- 6.5 Potassium thiocyanate solution
- 6.6 Sodium dichloroisocyanurate (DCIC) solution
- 6.7 Neutralisation solution A
- 6.8 Neutralisation solution B
- 6.9 Buffer solution A
- 6.10 Buffer solution B

7 Preparation of standards

- 7.1 General
- 7.2 Nicotine stock solution
- 7.3 Working standards

8 Apparatus

9 Procedure

- 9.1 Preparation of samples for analysis
- 9.2 Test portion
- 9.3 Preparation of test extract

10 Calculation

11 Repeatability and reproducibility

12 Test report

Annex A (informative) Suitable flow diagrams

Page count: 8