ISO 22258:2020 (E)

Traditional Chinese medicine — Determination of pesticide residues in natural products by gas chromatography

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Sampling

5 Determination of pesticide residues

- 5.1 Reagents
- 5.1.1 General
- 5.1.2 Check for purity of reagents
- 5.2 Apparatus
- 5.3 Qualitative and quantitative analysis of pesticide residues
- 5.4 Test

6 Limits

Annex A (informative) Determination of pesticide residues in natural products used in TCM by GC

- A.1 Extraction
- A.2 Purification
- A.2.1 Organochlorine, organophosphorus and pyrethroid pesticide residues
- A.2.1.1 General
- A.2.1.2 Performance of the column
- A.2.1.3 Purification of the test solution
- A.2.2 Organochlorine and pyrethroid pesticide residues
- A.3 Quantitative analysis of organophosphorus pesticide residues
- A.3.1 Test solution
- A.3.2 Standard solution
- A.3.3 Chromatographic system
- A.4 Quantitative analysis of organochlorine and pyrethroid pesticide residues
- A.4.1 Test solution
- A.4.2 Standard solution
- A.4.3 Chromatographic system

Annex B (informative) Maximum limits of pesticide residue in natural products used in TCM (based on the European Pharmacopoeia and US Pharmacopoeia)

Annex C (informative) Recommended limits of pesticide residues in dried fruit, vegetable or herbal medicine from WHO and FDA/EPA

Page count: 14