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**Essential oil of aniseed (*Pimpinella  
anisum* L.)**

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below or ISO's member body in the country of the requester.

CP 401 • Ch. de Blandonnet 8

Contents

F

1	S
2	N
3	O
4	T
5	R

5	F
6	S
7	a
	p
	s

A	t
n	

A	
B	
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## Foreword

*Essential oils.*

- the title has been changed;
- the structure of the standard has been revised;
- in [Table 1](#), a footnote regarding the appearance has been added;
- in [Table 1](#), “when liquid” has been removed from the colour requirements;
- 
- editorial corrections have been made.

Any feedback or questions on this document should be directed to the user’s national standards body. A

# Essential oil of aniseed (*Pimpinella anisum* L.)

## 1 Scope

*P*  
*i*

## 2 Normative references

*Essential oils — General rules for packaging, conditioning and storage*

*Essential oils — General rules for labelling and marking of containers*

*Essential oils — Sampling*

*Essential oils — Determination of relative density at 20 degrees C — Reference method*

*Essential oils — Determination of refractive index*

*Essential oils — Determination of optical rotation*

*Essential oils — Evaluation of miscibility in ethanol*

*Essential oils — Determination of freezing point*

*Essential oils — General guidance on chromatographic profiles*

## 3 Terms and definitions

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <http://www.electropedia.org/>

### 3.1

#### essential oil of aniseed

*P*

## 4 Requirements

### 4.1 General requirements

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Table 1 — Requirements for the essential oil of aniseed (*Pimpinella anisum* L.)

Characteristic	Requirements	ISO test method
		—
		—
		—
	Between −2° and +2°	
-		

4.2 Chromatographic profile



Table 2 — Chromatographic profile

Component	Min.	Max.
<i>c</i>		
<i>t</i>		
γ-Himachalene		

5 Flashpoint

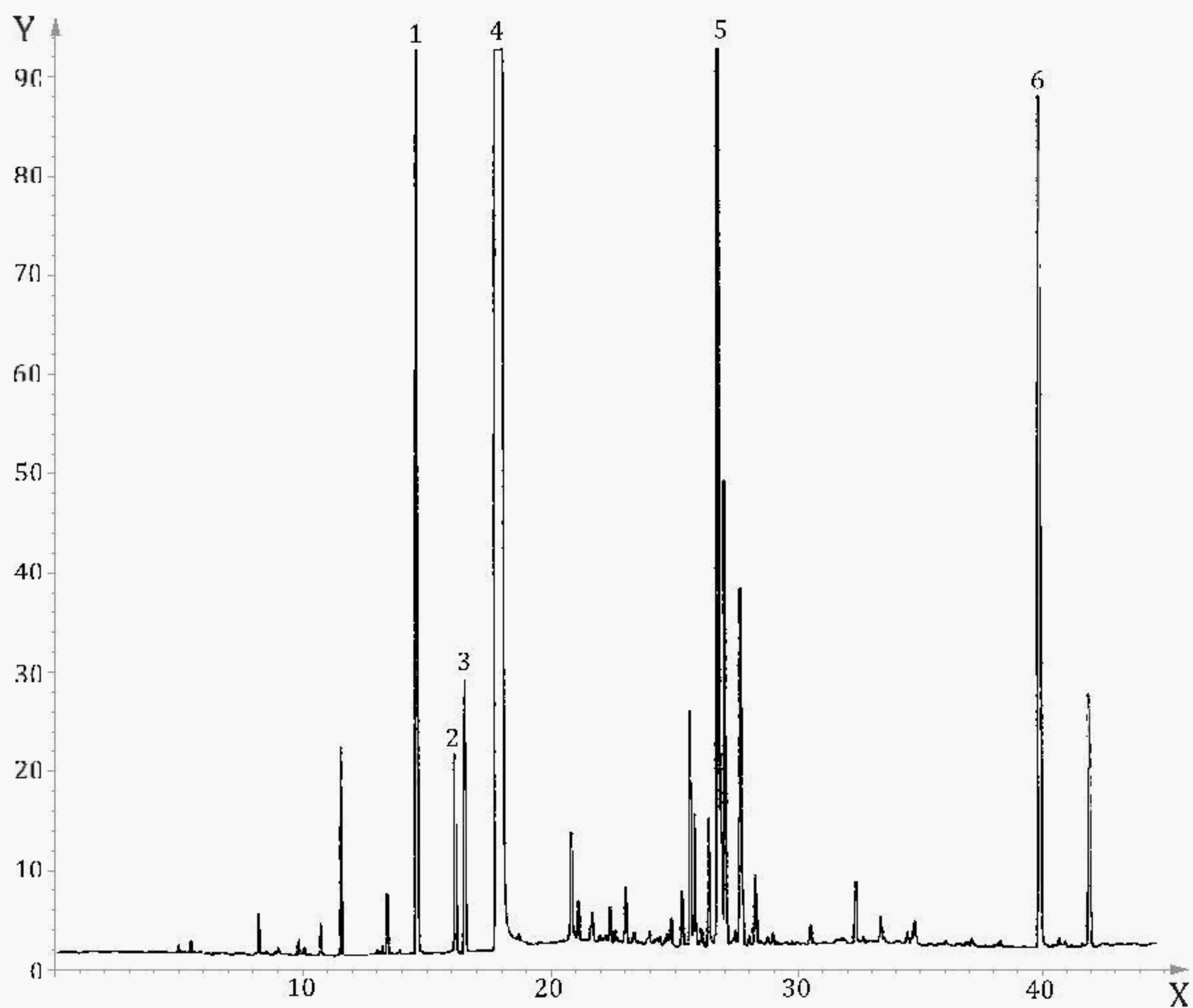


6 Sampling

7 Packaging, labelling, marking and storage

## **Annex A**

### **Typical chromatograms of the analysis by gas chromatography of the essential oil of aniseed (*Pimpinella anisum* L.)**



Peak identification

Operating conditions

*c*

*t*

$\gamma$ -Himachalene

Key

Figure A.1 — Typical chromatogram taken on an apolar column

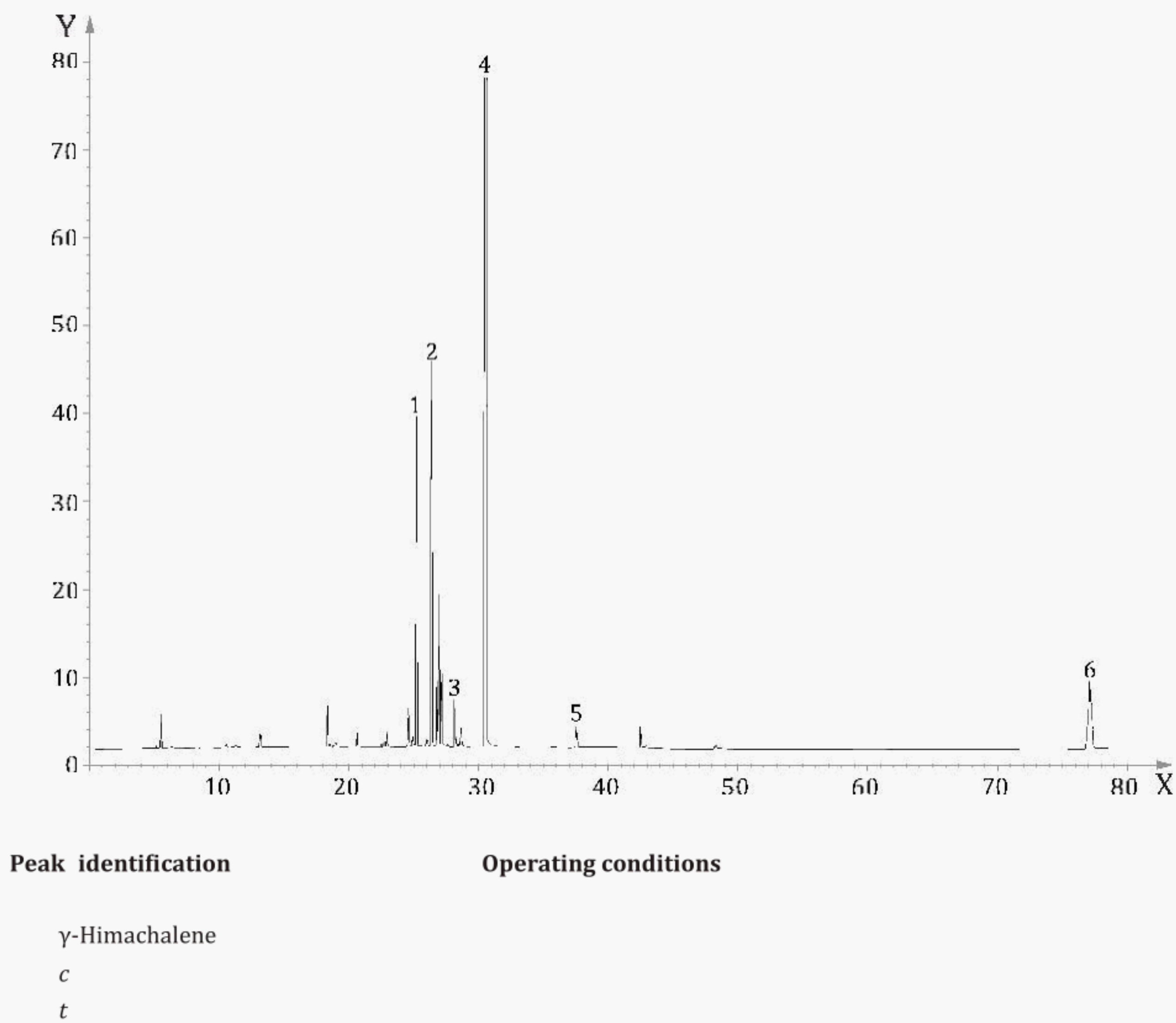


Figure A.2 — Typical chromatogram taken on a polar column

## **Annex B**

### **Flashpoint**

#### **B.1 General information**

- there is a wide variation in the chemical composition of essential oils;
- the volume of the sample needed for certain test equipment is incompatible with the high price of
- as there are several different types of equipment which can be used for the determination, users

#### **B.2 Flashpoint of the essential oil of aniseed [*Pimpinella anisum* L.]**

## Bibliography

*Essential oils — Principles of nomenclature*

*Essential oils — General guidance on the determination of flashpoint*

*Essential oils — Characterization*

