

ISO 7358:2021-05 (E)

Essential oils of bergamot, lemon, bitter orange and lime, fully or partially reduced in bergapten - Determination of bergapten content by high-performance liquid chromatography (HPLC)

Contents	Page
Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Reagents	1
6 Apparatus	2
6.1 Common laboratory equipment.....	2
6.2 HPLC system.....	3
7 Sample preparation	3
8 Procedure	3
8.1 Operating conditions.....	3
8.2 Determination.....	3
8.2.1 HPLC in normal phase.....	3
8.2.2 HPLC in reversed phase.....	5
9 Calculation — Normal phase or reversed phase HPLC	7
9.1 Internal standard method.....	7
9.2 External standard method.....	7
10 Precision — Repeatability	7
11 Test report	8
Annex A (informative) Typical chromatogram of the reference substances using high-performance liquid chromatography (HPLC) of reference compounds in reversed phase ...	9
Annex B (informative) Bergapten UV-Vis spectrum	10
Bibliography	11