

ISO 11027:2026-03 (E)

Pepper and pepper oleoresins - Determination of piperine content - Method using high-performance liquid chromatography

Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	1
4.1 Ground pepper.....	1
4.2 Whole pepper.....	1
4.3 Oleoresins of pepper.....	1
5 Reagents.....	2
6 Apparatus.....	2
7 Calibration method.....	3
7.1 Reference solution.....	3
7.2 Calibration curve.....	3
7.3 Calculation of the response factor, K.....	3
8 Sampling.....	3
9 Preparation of test sample.....	3
9.1 Peppers in powder form.....	4
9.2 Whole peppers.....	4
9.3 Oleoresins of peppers.....	4
10 Procedure.....	4
10.1 Test portion.....	4
10.1.1 Peppers, whole or ground.....	4
10.1.2 Oleoresins of pepper.....	4
10.2 Determination.....	4
11 Calculation.....	5
11.1 Peppers, whole or ground.....	5
11.2 Oleoresins of pepper.....	5
12 Repeatability.....	5
13 Test report.....	5
Annex A (informative) Typical chromatograms.....	6
Bibliography.....	7