

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