ISO 10565:2026-09 (E)

Oilseeds - Simultaneous determination of oil and water contents - Method using pulsed nuclear magnetic resonance spectrometry

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Samples 2
5.1 General 2
5.2 Calibration samples 2
5.2.1 General 2
5.2.2 Samples for moisture-content calibration 2
5.2.3 Samples for oil-content calibration 2

6 Apparatus 2

7 Sampling 3

8 Preparation of test sample 3

9 Calibration procedure 3
9.1 General 3
9.2 Calibration procedure for the determination of water content 4
9.2.1 Procedure A: Three calibration samples (minimum) with known water contents 4
9.2.2 Procedure B: One calibration sample with known water content 5
9.3 Calibration procedure for the determination of oil content 6
9.3.1 Procedure A: Three calibration samples (minimum) with known oil contents 6
9.3.2 Procedure B: One calibration sample with known oil content 6

10 Procedure for measuring the test sample 7
10.1 General 7
10.2 Requirements for the test room and conditioning of the test sample 7
10.3 Test portion 7
10.4 Determination 8
10.4.1 General case 8
10.4.2 Rapeseeds, linseeds and sunflower seeds having a water content greater than a mass fraction of 10 % and soya beans having a water content greater than a mass fraction of 14 % 8

11 Expression of the results 9

12 Precision 9
12.1 Interlaboratory tests 9
12.2 Repeatability 9
12.3 Reproducibility 9

13 Test report 9

Annex A (informative) Results of interlaboratory tests 11

Annex B (informative) Results of test to compare different equipment 13

Bibliography 15