

ISO 6647-2:2020 (E)

Rice — Determination of amylose content — Part 2: Spectrophotometric routine method without defatting procedure and with calibration from rice standards

Contents

| | |
|---------|---|
| | Foreword |
| 1 | Scope |
| 2 | Normative references |
| 3 | Terms and definitions |
| 4 | Principle |
| 5 | Reagents |
| 6 | Apparatus |
| 7 | Sampling |
| 8 | Procedure |
| 8.1 | Determination of moisture |
| 8.2 | Preparation of test sample |
| 8.3 | Test portion and preparation of the test solution |
| 8.4 | Preparation of the blank solution |
| 8.5 | Preparation of the calibration graph |
| 8.5.1 | Preparation of the set of calibration solutions |
| 8.5.2 | Colour development and spectrophotometric measurements |
| 8.5.3 | Plotting the calibration graph |
| 8.6 | Determination |
| 9 | Expression of results |
| 10 | Precision |
| 10.1 | Interlaboratory test |
| 10.2 | Repeatability |
| 10.3 | Reproducibility |
| 11 | Test report |
| Annex A | (informative) Results of an interlaboratory test for the routine method |
| A.1 | General |
| A.2 | Interlaboratory test results at 720 nm |
| A.3 | Interlaboratory test results at 680 nm |
| A.3.1 | Results |
| A.3.2 | Repeatability of the methods |
| A.3.3 | Reproducibility of the methods |
| A.4 | Interlaboratory test results at 620 nm |
| A.4.1 | Results |
| A.4.2 | Repeatability of the methods |
| A.4.3 | Reproducibility of the methods |