
**Rice — Determination of amylose
content —**

Part 1:
**Spectrophotometric method with a
defatting procedure by methanol and
with calibration solutions of potato
amylose and waxy rice amylopectin**

Riz — Détermination de la teneur en amylose —

*Partie 1: Méthode spectrophotométrique avec un mode opératoire de
dégraissage au méthanol et des solutions d'étalonnage d'amylose de
pomme de terre et d'amylopectine de riz gluant*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Reagents	2
6 Apparatus	3
7 Sampling	4
8 Procedure	4
8.1 Preparation of test sample.....	4
8.2 Test portion and preparation of the test solution.....	4
8.3 Preparation of the blank solution.....	4
8.4 Preparation of the calibration graph.....	4
8.4.1 Preparation of the set of calibration solutions.....	4
8.4.2 Colour development and spectrophotometric measurements.....	5
8.4.3 Plotting the calibration graph.....	5
8.5 Determination.....	5
9 Expression of results	5
10 Precision	5
10.1 Interlaboratory test.....	5
10.2 Repeatability.....	6
10.3 Reproducibility.....	6
11 Test report	6
Annex A (informative) Determination of the quality of the potato amylose stock suspension	7
Annex B (informative) Results of an interlaboratory test	9
Annex C (informative) Example of a flow injection analyser (FIA) for the determination of amylose	10
Bibliography	11