INTERNATIONAL STANDARD

ISO 2561

Third edition 2012-11-15

Plastics — Determination of residual styrene monomer in polystyrene (PS) and impact-resistant polystyrene (PS-I) by gas chromatography

Plastiques — Détermination du styrène monomère résiduel dans le polystyrène (PS) et le polystyrène résistant au choc (PS-I) par chromatographie en phase gazeuse



ISO 2561:2012(E)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Case postale 56 • CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org

Published in Switzerland

ISO 2561:2012(E)

Contents Page Foreword iv 1 Scope 1 2 Normative references ______1 3 Terms and definitions 1 4 Principle 1 5 Reagents and materials ______1 Internal standard _______1 5.1 5.2 Solvent 1 5.3 Precipitator ______1 5.4 Carrier gases and fuel gases for gas chromatograph _______2 5.5 6 Apparatus......2 General 2 6.1 Gas chromatograph 2 6.2 6.3 Data processor _______2 6.4 Sample injection syringe ______2 6.5 Analytical balance 2 6.6 Volumetric flasks 2 7 Preparation of sample 2 8 Procedure 2 8.1 General 2 Preparation of internal-standard solution 3 8.2 8.3 8.4 8.5 Gas-chromatographic procedure 4 8.6 96 Calculation of results from a calibration graph6 9.1 9.2 **10** Test report 7 Annex A (informative) Typical analytical conditions _____9 Annex B (informative) Correlation between mass of aromatic hydrocarbon in calibration solution and concentration of aromatic hydrocarbon in sample solution for typical calibration Bibliography