

INTERNATIONAL
STANDARD

ISO
24465

First edition
2023-01

**Surface chemical analysis —
Determination of the minimum
detectability of surface plasmon
resonance device**



Reference number
ISO 24465:2023(E)

© ISO 2023



COPYRIGHT PROTECTED DOCUMENT

© ISO 2023

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
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	1
3.1 Terms and definitions.....	1
3.2 Abbreviated terms.....	1
4 General information	1
4.1 Overview.....	1
4.2 White light excitation type.....	2
4.3 Laser illumination type.....	3
5 Outline of proposed method	3
6 Instrument of operation conditions	4
6.1 General.....	4
6.2 Alignment of optics including incident light.....	4
6.3 Sensor chip.....	4
6.4 Cleanness of optics.....	5
6.5 Temperature.....	5
6.6 Flow rate.....	5
7 Standard sample preparation	5
8 Data acquisition	6
8.1 Data collection and analysis.....	6
8.2 Recording of the data.....	8
Bibliography	9