

INTERNATIONAL
STANDARD

ISO
14644-9

Second edition
2022-05

Cleanrooms and associated controlled environments —

**Part 9:
Assessment of surface cleanliness for particle concentration**

Salles propres et environnements maîtrisés apparentés —

Partie 9: Évaluation de la propreté des surfaces en fonction de la concentration de particules



Reference number
ISO 14644-9:2022(E)

© ISO 2022



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

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 and definitions	1
4 Abbreviated terms	2
5 The surface cleanliness level assessment system	3
5.1 ISO-SCP grading level format.....	3
5.2 Designation.....	6
5.3 General information on surface cleanliness levels of particle concentration.....	6
6 Demonstration of conformity	6
6.1 Principle	6
6.2 Testing.....	6
6.3 Test report.....	7
Annex A (informative) Surface characteristics	9
Annex B (informative) Descriptor for specific particle size ranges	12
Annex C (informative) Parameters influencing the SCP grading level assessments	15
Annex D (informative) Measurement methods for determining surface cleanliness by particle concentration	17
Bibliography	26