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Draft IS/IEC 60068-2-11: 2021
[*Superseding IS 9000 (Part 11): 1983 and IS 9001 (Part 19): 2006*]
May 2025

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

मसौदा भारतीय मानक
पर्यावरण परीक्षण –
भाग 2: परीक्षण
अनुभाग 11: टेस्ट केए - साल्ट मिस्ट

Draft Indian Standard

Environmental Testing –
Part 2: Tests
Section 11: Test Ka - Salt mist

ICS 19.040

LITD 01, Environmental Testing Procedure Sectional Committee	**Last Date for Comments:** 22 July 2025.

NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (Part 2/Section 11) which is identical with IEC 60068-2-11: 2021 'Environmental testing – Part 2-11: Tests – Test Ka: Salt mist' issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendation of Environmental Testing Procedure Sectional Committee and approval of the Electronics and Information Technology Division Council.

IS 9000 (Part 11) : 1983 'Basic environmental testing procedures for electronic and electrical items: Part 11 salt mist test' was originally published in 1983 and while preparing this standard assistance was derived from IEC Pub 68-2-11 (1964) Test Ka: Salt mist, IEC Document 50B (Central Office) 212 Draft - Revision of publication 68-2-l 1 Test Ka: Salt mist & IEC Document 50B (Secretariat) 234 Draft -Test Ka: Salt mist, cyclic (sodium chloride solution) issued by the International Electrotechnical Commission and JSS 50101-1972 Environmental test methods for service electronic components, JSS 55555-1977 Environmental test methods for electronic and electrical equipment issued by the Directorate of Standardization, Ministry of Defence, India.

IS 9001 (Part 19): 2006 'Guidance for environmental testing: Part 19 salt mist test' was originally published in 2006 after the draft finalized by the Environmental Testing Procedures Sectional Committee had been approved by the Electronics and Information Technology Division Council.

This superseding of IS 9000 (Part 11): 1983 and IS 9001 (Part 19): 2006 has been undertaken to align it with the latest version of IEC 60068-2-11: 2021.

The text of IEC Standard *may be* approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appears referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International Standards	Corresponding Indian Standards	Degree of Equivalence
IEC 60068-1, Environmental testing – Part 1: General and guidance	IS/IEC 60068-1 : 2013, Environmental Testing Part 1 General and Guidance	Identical

SCOPE OF IEC 60068-2-11:2021

This part of IEC 60068 specifies a test method for assessing the corrosion resistance of electrotechnical products components, equipment and materials in a salt mist environment. Its objective is to verify that the comparative quality of a metallic material, with or without corrosion protection, is maintained when exposed to salt mist.

This test method is useful for evaluating the quality and the uniformity of coatings applied to protect metals against corrosion. It is particularly useful for detecting discontinuities, such as pores and other defects, in certain metallic, organic, anodic oxide and conversion coatings.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 'Rules for rounding off numerical values *(Second Revision)*'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details, please refer to IEC 60068-2-11:2021 or kindly contact.

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