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GB/T 2423.18-2021 / IEC 60068-2-52:2017

Replacing GB/T 2423.18-2012

**Environmental testing - Part 2: Test methods -
Test Kb: Salt mist, cyclic (sodium chloride solution)**

环境试验 第2部分：试验方法

试验 Kb：盐雾，交变（氯化钠溶液）

[IEC 60068-2-52:2017, Environmental testing - Part 2-52: Tests -

Test Kb: Salt mist, cyclic (sodium chloride solution), IDT]

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Foreword

This document is drafted in accordance with GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document is Part 18 of GB/T 2423. For the issued parts of GB/T 2423, see Annex NA.

This document replaces GB/T 2423.18-2012 "Environmental testing - Part 2: Test methods - Test Kb: Salt mist, cyclic (sodium chloride solution)". Compared with GB/T 2423.18-2012, in addition to structural adjustment and editorial changes, the main technical changes are as follows:

- a) Add a description of the effect of test conditions on the specimens (see Clause 4);
- b) Add the cycle process of test methods 7 and 8 (see Clause 9);
- c) Modify Figure 1;
- d) Add "Information to be given in the test report" (see Clause 13).

This document, using translation method, is identical to IEC 60068-2-52:2017 "Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)".

China's documents which have a consistent correspondence with the international documents normatively referenced in this document are as follows:

- GB/T 2421-2020 Environmental testing - General and guidance (IEC 60068-1:2013, IDT);
- GB/T 2423.3-2016 Environmental testing - Part 2: Testing method - Test Cab: Damp heat, steady state (IEC 60068-2-78:2012, IDT);
- GB/T 10125-2012 Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2006, IDT).

This document has made the following editorial changes:

- a) Change the name of this document to "Environmental testing - Part 2: Test methods - Test Kb: Salt mist, cyclic (sodium chloride solution)";
- b) Add an informative annex "Constituent documents of GB/T 2423" (see Annex NA).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority of this document shall not be held responsible for identifying any or all such patent rights.

This document was proposed by and shall be under the jurisdiction of National Technical Committee 8 on Environmental Conditions of Electric and Electronic Products and Environmental Test of Standardization Administration of China (SAC/TC 8).

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The previous releases of this document and the documents it replaces are as follows:

- It was first issued in 1985 as GB/T 2423.18-1985, first revised in 2000, and second revised in 2012;
- This is the third revision.

Environmental testing - Part 2: Test methods - Test Kb: Salt mist, cyclic (sodium chloride solution)

1 Scope

This document specifies the application of the cyclic salt mist test to components or equipment designed to withstand a salt-laden atmosphere as salt can degrade the performance of metallic and/or non-metallic materials.

This document is applicable to components or equipment that can withstand a salt-laden atmosphere. During the test, the corresponding severity level is selected according to the degree of tolerance.

2 Normative references

The contents of the following documents, through normative references in this text, constitute indispensable provisions of this document. Among them, for dated references, only the edition corresponding to that date applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

ISO 9227 Corrosion tests in artificial atmospheres - Salt spray tests

IEC 60068-1 Environmental testing - Part 1: General and guidance

IEC 60068-2-78 Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

IEC Electropedia: <http://www.electropedia.org/>

ISO Online browsing platform: <http://www.iso.org/obp>

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