**STA/SD/OP/04/F2**

**KENYA BUREAU OF STANDARDS**

**ADOPTION PROPOSAL**

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| **Document Type:** | **Adoption proposal** | |
| **Dates:** | Circulation date | Closing date |
| 10th -12-19 | 12th -01-2020 |
| **TC Secretary** | This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Peter Namutala Wanyonyi (namutalap@kebs.org). | |

The Kenya Bureau of Standards intends to adopt the International Standards as detailed here below:

**Number**: [ISO 9227:2017](http://www.iso.org/iso/home/store/catalogue_tc/catalogue_detail.htm?csnumber=67053)

**Title:** Corrosion tests in artificial atmospheres — Salt spray tests

**Scope:** This document specifies the apparatus, the reagents and the procedure to be used in conducting the neutral salt spray (NSS), acetic acid salt spray (AASS) and copper-accelerated acetic acid salt spray (CASS) tests for assessment of the corrosion resistance of metallic materials, with or without permanent or temporary corrosion protection.It also describes the method employed to evaluate the corrosivity of the test cabinet environment.It does not specify the dimensions or types of test specimens, the exposure period to be used for a particular product, or the interpretation of results. Such details are provided in the appropriate product specifications..

The salt spray tests are particularly useful for detecting discontinuities, such as pores and other defects, in certain metallic, organic, anodic oxide and conversion coatings.

The neutral salt spray (NSS) test particularly applies to

• metals and their alloys,

• metallic coatings (anodic and cathodic),

• conversion coatings,

• anodic oxide coatings, and

• organic coatings on metallic materials.

The acetic acid salt spray (AASS) test is especially useful for testing decorative coatings of copper + nickel + chromium, or nickel + chromium. It has also been found suitable for testing anodic and organic coatings on aluminium.

The copper-accelerated acetic acid salt spray (CASS) test is useful for testing decorative coatings of copper + nickel + chromium, or nickel + chromium. It has also been found suitable for testing anodic and organic coatings on aluminium.

The salt spray methods are all suitable for checking that the quality of a metallic material, with or without corrosion protection, is maintained. They are not intended to be used for comparative testing as a means of ranking different materials relative to each other with respect to corrosion resistance or as means of predicting long-term corrosion resistance of the tested material.

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|  | Adoption acceptable as presented | | | |
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|  | Adoption proposal not acceptable because of the reason(s) below | | | |
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| Our Recommendations are as follows | | | | |
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| Name and (of respondent) | |  | Position |  |
| Signature | |  |  |  |

On behalf of: (Name of organization)

Date (& stamp): **NOTE:** Absence of any reply or comments shall be deemed to be an acceptance of the proposal for adoption and **shall constitute an approval vote**.