CR-4 Steel Panels for Calibration

BGD 2309

Product Description

BGD 2309 CR-4 Steel Panels for Calibration CR4-grade Reference Specimens for Salt Spray Tests For a salt spray test, the corrosivity speed of test specimen not only depends on the apparatus itself, such as salt fog uniformity and working-room temperature uniformity, but also depends on all kinds of parameters set by the operator, such as volume of the collected solution, pH value of salt spray etc. In order to ensure the comparability of salt spray tests, the operator should use reference specimens to verify these influencing factors regularly. Both ISO 9227 and ISO 7253 recommend the use of CR4-grade steel as reference specimens. These specimens are in accordance with ISO 3574 with an essentially faultless surface and a matt finish (arithmetical mean deviation of the profile Ra=0.8μm±0.3μm).

Standards

ISO 9227, ISO 7253, ISO 3574

Technical Specification

For the three salt spray tests, the allowed range of mass loss of the steel reference specimens during verification of the corrosivity of the cabinet are as mentioned below:

A. Natural Salt Spray (NSS): After 48h testing, the allowed range of mass loss should be 70g/m2±20g/m2

B. Acetic acid Salt Spray (AASS): After 24h testing, the allowed range of mass loss should be 40g/m2±10g/m2

C. Copper-accelerated Acetic acid Salt Spray(CASS): After 24h testing, the allowed range of mass loss should be 55g/m2±15g/m2

For ISO 7253 (Paints and varnishes -- Determination of resistance to neutral salt spray (fog)), use six CR4-grade speciments. After 96 hours exposure, the allowed range of mass loss should be 130g/m2±20g/m2 and no individual panel should have a mass loss greater or less than 25g/m2 from the mean or from a value agreed by the interested parties.

BGD 2309 CR4-grade Reference Specimens for Salt Spray Tests are according with ISO 3574: Carbon content = 0.06%, Manganese content = 0.45%, Phosphorus content = 0.03%, Sulfur content = 0.03%, Surface roughness Ra is 0.8 μm ± 0.3μm, and size is 150mm×70mm×1.0mm.

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Main Technical Parameters

Ordering Information: BGD 2309 - CR4-grade Reference Specimens for Salt Spray Tests (20 pcs/package)

Disclaimer