ISO 9227:2012-05 (E)

Corrosion tests in artificial atmospheres - Salt spray tests

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Test solutions 2
3.1 Preparation of the sodium chloride solution 2
3.2 pH adjustment 2
3.3 Filtration 2

4 Apparatus 3
4.1 Component protection 3
4.2 Spray cabinet 3
4.3 Heater and temperature control 3
4.4 Spraying device 3
4.5 Collecting devices 4
4.6 Reuse 4

5 Method for evaluating cabinet corrosivity 4
5.1 General 4
5.2 NSS test 5
5.3 AASS test 6
5.4 CASS test 7

6 Test specimens 8

7 Arrangement of the test specimens 8

8 Operating conditions 9

9 Duration of tests 9

10 Treatment of specimens after test 10

11 Evaluation of results 10

12 Test report 10

Annex A (informative) Schematic diagram of one possible design of spray cabinet with means for treating fog exhaust and drain 12

Annex B (informative) Complementary method for evaluating cabinet corrosivity using zinc reference specimens 14

Annex C (normative) Preparation of panels with organic coatings for testing 16

Annex D (normative) Required supplementary information for testing test panels with organic coatings 17

Bibliography 18