DIN EN ISO 9227:2006-10 (E)

Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2006)

Contents

Page

Foreword 2

Introduction 4

1 Scope 5

2 Normative references 6

3 Test solutions 6
3.1 Preparation of the sodium chloride solution 6
3.2 pH adjustment 6
3.3 Filtration 7

4 Apparatus 7
4.1 Component protection 7
4.2 Spray cabinet 7
4.3 Heater and temperature control 7
4.4 Spraying device 8
4.5 Collecting devices 8
4.6 Re-use 9

5 Method of evaluation of the corrosivity of the cabinet 9
5.1 General 9
5.2 NSS test 9
5.3 AASS test 10
5.4 CASS test 11

6 Test specimens 13

7 Arrangement of the test specimens 13

8 Operating conditions 14

9 Duration of tests 14

10 Treatment of specimens after test 15

11 Evaluation of results 15

12 Test report 15

Annex A (informative) Schematic diagram of one possible design of spray cabinet with means for treating fog exhaust and drain 17

Annex B (informative) Complementary method for evaluation of the corrosivity of the cabinet by use of zinc reference specimens 19

Annex C (normative) Preparation of panels with organic coatings for testing 21

Annex D (normative) Required supplementary information for testing test panels with organic coatings 22

Bibliography 23