ISO 18185-3:2015-12 (E)

Freight containers - Electronic seals - Part 3: Environmental characteristics

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Environmental characteristics 2
4.1 General 2
4.2 Low temperature 2
4.2.1 Test purpose 2
4.2.2 Test requirement 2
4.2.3 Test method for storage temperature testing 2
4.2.4 Test method for operating temperature testing 3
4.3 High temperature 3
4.3.1 Test purpose 3
4.3.2 Test requirement 3
4.3.3 Test method for storage temperature testing 3
4.3.4 Test method for operating temperature testing 3
4.4 Mechanical shock 4
4.4.1 Test purpose 4
4.4.2 Test requirement 4
4.4.3 Test method 4
4.5 Vibration 5
4.5.1 Test purpose 5
4.5.2 Test requirement 5
4.5.3 Test method 5
4.6 Humidity 6
4.6.1 Test purpose 6
4.6.2 Test requirement 6
4.6.3 Test method 6
4.7 Rain and snow 7
4.7.1 Test purpose 7
4.7.2 Test requirement 7
4.7.3 Test method 7
4.8 Salt fog 8
4.8.1 Test purpose 8
4.8.2 Test requirement 8
4.8.3 Test method 8
4.9 Drop shock 8
4.9.1 Test purpose 8
4.9.2 Test requirement 8
4.9.3 Test method 9
4.10 Sand and dust 9
4.10.1 Test purpose 9
4.10.2 Test requirement 9
4.10.3 Test method 9
4.11 Electromagnetic environment 9
4.11.1 Test purpose 9

4.11.2 Test requirement 10
4.11.3 Test method 10
4.12 Solar radiation 10
4.12.1 Test purpose 10
4.12.2 Test requirement 10
4.12.3 Test method 10

4.13 Ice and frost 11
4.13.1 Test purpose 11
4.13.2 Test requirement 11
4.13.3 Test method 11
4.14 Water-high pressure 11
4.14.1 Test purpose 11
4.14.2 Test requirement 11
4.14.3 Test method 11
4.15 Lightning strike 12
4.15.1 Test purpose 12
4.15.2 Test requirement 12
4.15.3 Test method 12
4.16 Thermal shock 12
4.16.1 Test purpose 12
4.16.2 Test requirement 12
4.16.3 Test method 12

Bibliography 14