ISO 9221-2:2015-11 (E)

Furniture - Children's high chairs - Part 2: Test methods

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 General test conditions 2
4.1 Preliminary preparation 2
4.2 Determination of the junction line 2
4.3 Test sequence 3
4.4 Tolerances 4

5 Test equipment 4
5.1 General 4
5.2 Test dummy 4
5.3 Impact hammer 5
5.4 Loading pad 6
5.5 Small loading pad 6
5.6 Stops 7
5.7 Floor surface 7
5.8 Beams 7
5.8.1 Beam for stability test and for measurement of the lateral protection length 7
5.8.2 Beam for height of lateral protection test 7
5.9 Slide gauges 7
5.10 Force-measuring device 8
5.11 Test load 8
5.12 Small parts cylinder 8
5.13 Small torso probe 9
5.14 Device for measuring the angle, the length and the height of the backrest and the height of the lateral protection 10
5.15 Leg probe 11
5.16 Wedge block 11

6 Test procedures 12
6.1 General 12
6.2 Impact test 12
6.3 Durability of the locking mechanism 13
6.4 Strength of the locking mechanism 13
6.5 Small parts 13
6.6 Openings 14
6.6.1 Openings between moving parts 14
6.6.2 Other openings 14
6.7 Strength of harness/belt attachment points 14
6.8 Strength of components of the restraint system 14
6.9 Slippage of straps of the restraint system 14
6.10 Backrest tests 15
6.10.1 Determination of backrest angle 15
6.10.2 Determination of backrest height 15

6.10.3 Determination of length of reclinable backrest 15
6.10.4 Strength of reclinable backrest mechanism 15
6.11 Seat vertical static load test 15
6.12 Footrest vertical static load test 15
6.13 Lateral protection measurements 16
6.13.1 Determination of lateral protection height 16
6.13.2 Determination of lateral protection length 16

6.14 Leg openings test 18
6.14.1 Wedge block test 18
6.14.2 Gaps between leg openings 18
6.15 Measurement of the distance between the backrest and the crotch restraint 18
6.16 Measurement of the distance between the backrest and the horizontal member 19
6.17 Stability tests 19
6.17.1 General 19
6.17.2 Positioning 19
6.17.3 Sideways stability 20
6.17.4 Rearwards stability 20
6.17.5 Forwards stability 21
6.17.6 Footrest and horizontal frame member stability 22
6.18 Tray tests 23
6.18.1 Tray strength test 23
6.18.2 Tray vertical static load test and stability 23
6.18.3 Tray drop test 24

7 Test report 24