DIN EN 1466:2008-02 (E)

Child care articles - Carry cots and stands - Safety requirements and test methods (includes Amendment A1:2007)

Contents

Page

Foreword 4

1 Scope (see C.3) 5

2 Normative references 5

3 Terms and definitions 5

4 Materials 5
4.1 General 5
4.2 Chemical properties (see C.4) 6
4.3 Flammability (see C.5) 6
4.4 Plastic internal lining 6
4.5 Plastic decals 6

5 Requirements 6
5.1 Carry cots and stands 6
5.1.1 Gaps and openings 6
5.1.2 Edges, points and corners (see C.6) 7
5.1.3 Small parts 8
5.1.4 Cords, straps ribbons and other narrow fabrics 8
5.1.5 Moving parts 8
5.1.6 Filling materials 8
5.2 Carry cots 9
5.2.1 Internal height of carry cot and effectiveness of retaining function !(see C.8)" 9
5.2.2 !!!!Total height of a carry cot with flexible handles""""" 9
5.2.3 Strength of carry cots 9
5.2.4 Stability of carry cots on the ground 9
5.2.5 Longitudinal stability of carry cots 9
5.2.6 Flexible handles of carry cots 10
5.3 Stands 10
5.3.1 Retention of the carry cot 10
5.3.2 Strength of stands 10
5.3.3 Stability of stands 10
5.3.4 Folding mechanism of stands 10
5.3.5 Castors/Wheels of stands 10

6 Test methods 10
6.1 Conditioning of products with removable fabric 10
6.2 Test equipment 10
6.2.1 Accuracy of test equipment 10
6.2.2 Test plate 11
6.2.3 Test cylinder !(see C.9)" 11
6.2.4 Test probes 11
6.2.5 Cylinder 12
6.2.6 Test bar (1) 13
6.2.7 Test bar (2) 13
6.2.8 Datum board (see Figure 6) 13
6.2.9 Metal hooks 13
6.3 Tests for entrapment of fingers or limbs 15
6.4 Test for cords, straps and ribbons 16

6.5 Tests for carry cots ... 16
6.5.1 Test for rigidity of the sides of carry cots ... 16
6.5.2 Test for measurement of the internal height of rigid carry cots ... 17
6.5.3 Test for effectiveness of the retaining function of the sides ... 18
6.5.4 Test for measurement of the total height of the carry cot ... 18
6.5.5 Tests for strength of carry cots ... 18
6.5.6 Test for the stability of carry cots on the ground !(see C.11)" ... 19
6.5.7 Test for the longitudinal stability of carry cots ... 20
6.5.8 Test for durability of flexible handles of carry cots ... 20
6.6 Tests for stands ... 21
6.6.1 Test for strength of stands ... 21
6.6.2 Test for stability of stands !(see C.12)" ... 21
6.6.3 Test for fatigue resistance of locking and folding mechanisms of stands ... 21
6.7 Test for durability of marking !(see C.13)" ... 22

7 Order of tests ... 22

8 Product information ... 22
8.1 General ... 22
8.2 Purchase information ... 22
8.3 Markings ... 22
8.4 Instructions on use and maintenance ... 23

Annex A (normative) Order of tests ... 25

Annex B (informative) A-deviations ... 26

Annex C (informative) Background and rationale for this standard ... 27

C.1 Introduction ... 27
C.2 General ... 27
C.3 Scope ... 27
C.4 Chemical properties (see 4.2) ... 28
C.5 Flammability (see 4.3) ... 28
C.6 Sharp edges, points and corners (see 5.1.2) ... 28
C.7 !!!!Rigid handle (see 5.2.2) ... 28
C.8 Internal height of carry cot and effectiveness of retaining function (see 5.2.1) ... 28
C.9 Test cylinder (see 6.2.3) ... 28
C.10 Test for dynamic strength of carry cots (see 6.5.5.2) ... 28
C.11 Test for the stability of carry cots on the ground (see 6.5.6) ... 28
C.12 Test for stability of stands (see 6.6.2) ... 28
C.13 Test for durability of marking (see 6.7) ... 28

Bibliography ... 29