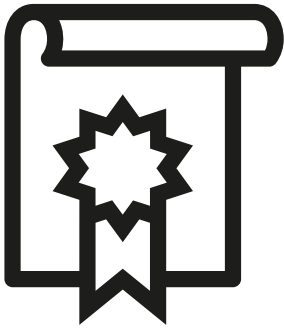


CERTIFICATIONS REFERENCE STANDARDS



UNI LIST

TECHNICAL REFERENCE STANDARDS

Food contact standards

Each page of the price list is dedicated to a product that has been tested in accordance with current regulations which are summarised in a table where the left hand column shows the code and/or paragraph of the test to which the product was subjected and the right hand column shows the test results and the levels attained. The specification of each regulation is show below:

UNI tests for chairs:

Uni Norm N° 8582/84- 1022/98

fatigue test for chair frame

Uni Norm N° 8584/84

fatigue test for chair frame

Uni Norm N° 8585/84

impact test for seats

Uni Norm N° 8586/84

resistance test for repetitive impacts

Uni Norm N° 8587/84

fatigue test for chair back

Uni Norm N° 8589/84

test for arm resistance to vertical force

Uni Norm N° 8590/84

resistance test for horizontal force on arms

Uni Norm N° 9083/87

resistance test to dropping

Uni Norm N° 9088/87

side stress resistance test for chair and stool legs

Uni Norm N° 9089/87

test for back and arm resistance to scratching

Uni Norm N° 8591/84

duration of the rotation of the seat

Standard UNI EN 10977:2002

Furniture for the home and collectivity - Seating

Uni tests for tables:

Uni Norm N° 8592/84

test for stability

Uni Norm N° 8593/84

test for resistance of tops to concentrated loads

Uni Norm N° 8594/84

flexibility test of surfaces

Uni Norm N° 8595/84

structural resistance test

Uni Norm N° 9085/87

drop test

Uni Norm N° 9086/87

impact test on legs

Standard UNI EN 1729-2:2006

Furniture - Chairs and tables for schools

Part 2: Safety requirements and testing methods

Standard UNI ENV 12521:2001

Home furniture - tables - Mechanical and structural safety requirements

UNI EN 527-1:2011

Office furniture - Work tables and desks

Part 1: Sizes UNI EN 1022:2005

Home furniture - Seating - Determination of stability

UNI EN 15372:2008

Furniture - Resistance, durability and safety Requirements for tables not intended for home use

UNI EN 12521:2009

Furniture - Resistance, durability and safety Requirements for tables intended for home use

UNI tests for furniture, containers and bookshelves:

Uni Norm N° 8596/84

test for stability

Uni Norm N° 8600/84

bending test with concentrated load

Uni Norm N° 8601/84

bending test for tops

Uni Norm N° 8606/84

test for maximum total load

List of the UNI EN tests for steps:

UNI-EN Norm 131-1/94

functional dimensions of the steps

UNI-EN Norm 131-2/93

flexibility of the feet and of the platform

Standard EN 1728:2000 took effect in 2002 (UNI EN 1728:2002 in Italy) harmonizing at the European level testing methods for resistance and durability of all the types of domestic seating. This regulation, which replaces previous ones, prescribes much more severe testing procedures than in the past.

Standard EN 15373 came into force in late 2007, updating the testing criteria, cycles and levels, with respect to EN 1728:2000.

Standard EN 16139:2013 came into force at the end of 2012, updating standard EN 15373 (see summary table).

In 2013, standard EN 1728 was updated to the EN 1728:2012+AC:2013 edition (in Italy UNI EN 1728:2012+AC:2013). Standard EN 1730:2000 updated with EN 15372:2008 (for Italy UNI EN 1730:2002) came into force in 2000 for the assessment of table performance took effect in 2000 to determine table performance. This standard stipulates the testing methods to determine the resistance, durability and stability of all types of tables. Tests are conducted on an assembled and ready-to-use table. The references to the characteristics tested are expressed with respect to the paragraph in the standard, as follows:

STANDARD UNI EN 15373:2000 paragraphs 5.1 - 5.2

General safety requirements

STANDARD UNI EN 1022/2005

Stability

STANDARD UNI EN 1728/2000

paragraph 6.2.1

static load on the back of the seat

paragraph 6.2.2

static load on the front edge of the seat

paragraph 6.5

static horizontal load on the arms

paragraph 6.6

static vertical load on the arms

paragraph 6.7

fatigue strength of the seat/back

paragraph 6.8

ear and tear on the front part of the seat

paragraph 6.10

fatigue strength of the arms

paragraph 6.12

static load on front legs

paragraph 6.13

static load on side legs

paragraph 6.15

resistance of the seat to blows

paragraph 6.16

resistance of the back to blows

paragraph 6.17

resistance of the arms to blows

paragraph 6.21

solid footstool

STANDARD UNI EN 1730/2000

paragraph 6.2

static horizontal load

paragraph 6.3

static vertical load

paragraph 6.4

resistance to horizontal fatigue

paragraph 6.5

vertical fatigue strength

paragraph 6.6

impact on the surface

paragraph 6.7

stability

paragraph 6.8

drop

STANDARD UNI EN 1728/2012

paragraph 6.4 - Static load on seat-back

paragraph 6.5 - Static load on front edge of seat

paragraph 6.6 - Vertical static load on back

paragraph 6.10 - Horizontal static load on arm rests

paragraph 6.11 - Vertical static load on arm rests

paragraph 6.15 - Static load on front legs

paragraph 6.16 - Static load on side legs

paragraph 6.17 - Fatigue strength of seat-back

paragraph 6.18 - Fatigue strength of front edge of seat

paragraph 6.20 - Fatigue strength of arm rests

paragraph 6.21 - Fatigue strength of foot rests

paragraph 6.24 - Seat impact

paragraph 6.25 - Back impact

paragraph 6.26 - Arm rest impact paragraph

paragraph 6.27 - Drop resistance

paragraph 6.27.1 - Drop resistance for multiple seating

For products intended for contact with food, the following reference standards are used for testing:

Ministerial Decree of 21 March 1973 and subsequent amendments Regulation (CE) No. 1935/2004 for materials and objects intended to come into contact with food-stuffs.

Title 21 cfr. 1077.1460 of the Food and Drug Administration (FDA) – USA

Article 16 of MHLW Food Sanitation Law, Chapter III Specification for Apparatus and Containers and Packaging.

Standard and Specification for Food and Food Additives, etc. (Ministry of Health and Welfare Notification No.370, 1959 & MHLW Notification No. 336, 2010), Section III. Equipment and Containers/Packages (Japan).

FOR MORE INFORMATION ON PRODUCT CERTIFICATION, PLEASE CONTACT US AT INFO@KARTELL.COM

MEANING OF THE LEVEL TESTS, SUGGESTED USE:

STANDARD 16139:2013 LEVEL	STANDARD 12520:2010 LEVEL	STANDARD 10977:2002 LEVEL	STANDARD 15373:2007 LEVEL	SUGGESTED USE
-	-	1	-	Light domestic use
-	-	2	-	Normal domestic use
-	1	3	1	Heavy domestic use Light collective use
L1	-	4	2	Collective use: public areas, waiting rooms, restaurants, offices
L2	-	5	3	HEAVY COLLECTIVE USE: SCHOOLS, PRISONS, HOSPITALS