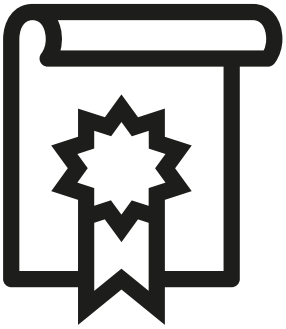
CERTIFICATIONS REFERENCE STANDARDS



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
paragrafo 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 strenght
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 paragrafo
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 foodstuffs.
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**

CERTIFICATIONS ISO 9001:2015

cation Network), a supranational body which guarantees mutual recognition of the ISO standard in countries worldwide.
The attainment and maintenance of this certification, made possible by the commitment and perseverance of all company offices involved, testifies to the continued research into ever higher levels of quality in company management systems.
A copy of the Quality Certification is available for downloading on www.kartell.com

COMPANY QUALITY CERTIFICATION: ISO 9001

In 1996, Kartell decided to certify its Corporate Quality Management System in compliance with UNI EN ISO 9001:1994 standards.

In 2005, the company aligned its Quality Management Systems with the standard UNI EN ISO 9001: 2000.

In 2008, the company renewed its ISO 9001:2000 certification.

And, in 2010, it switched to UNI EN ISO 9001:2008.

During 2017 Kartell updated its certification standard to UNI EN 9001:2015.

A guarantor for this certification process is the I.I.P. (Italian Institute of Plastics), which is itself accredited by SINCERT and CISQ, the Italian federation of accreditation bodies for Quality Management Systems.

CISQ is part of IQNET (International Certifi-

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CISQ/IIP S.r.l.
as an IQNet Partner hereby states that the organization:

KARTELL SPA
legal place: VIA DELLE INDUSTRIE, 1 - 20082 NOVIGLIO (MI)
VIA DELLE INDUSTRIE, 1 - 20082 NOVIGLIO (MI)
for the following scope:
Design, industrialization and production of furnishing accessories. Design and production of laboratory technical items.
has implemented and maintains a
Quality Management System
which fullfills the requirements of the following standard
ISO 9001:2015

Issued on: 2017/07/28
First issued on: 2005/03/14
for the validity date, please refer to the original certificate* issued by CISQ/IIP

Registration Number:
IT-16397 IIP 694

Michael Drechsel
President of IQNET

Ing. Claudio Provetti
President of CISQ

IQNet Partners**:
AENOR Spain AFNOR Certification France Vinçotte Belgium APCER Portugal CCC Cyprus
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland INTECO Costa Rica
IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland
Quality Austria Austria RR Russia SIGE México SII Israel SIQ Slovenia SIRIM QAS International Malaysia
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc..
* This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document
** The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

IIP

CISQ is a member of IQNet
www.iqnet-certification.com

CERTIFICATO N. 694
CERTIFICATE N.

Si certifica che il Sistema di Gestione per la Qualità di
We hereby certify that the Quality Management System operated by

KARTELL SPA
sede legale: VIA DELLE INDUSTRIE, 1 — 20082 NOVIGLIO (MI)
UNITA' OPERATIVE / OPERATIVE UNITS
VIA DELLE INDUSTRIE, 1 — 20082 NOVIGLIO (MI)

è conforme alla norma
is in compliance with the standard
UNI EN ISO 9001:2015

per le seguenti attività
for the following activities
IAF14
Design, industrializzazione e produzione di accessori e complementi di arredo. Progettazione e produzione di articoli tecnici da laboratorio.
Design, industrialization and production of furnishing accessories. Design and production of laboratory technical items.

Prima emissione	Emissione corrente	Scadenza
First issue	Current issue	Expiring date
14/03/2005	28/07/2017	02/08/2020

Il Direttore Generale
Mauro La Ciacera

ACCREDIA
SGQ N° 006A PRD N° 006B
SGA N° 014D ISP N° 034E
SCR N° 014F LAB N° 0097
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

IIP SRL - via Velleia 2 - 20900 Monza (MB)
www.iip.it info@iip.it

FEDERAZIONE CISQ
www.cisq.com
CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendale.
CISQ is the Italian Federation of management system Certification Bodies.

ISO 14001:2015 **CERTIFICATIONS**

RECYCLABILITY

Recyclability, sustainability, eco-compatibility - in a nutshell, respect for the environment - these are the themes which the world community takes very much to heart.
It may seem absurd to talk about environment in terms of productions having plastic materials as their common denominator. Nevertheless, contrary to common belief, Kartell products are perfectly recyclable. To simplify the recycling process, in fact, the various components of Kartell products can be easily separated out and traced back to their single material elements. The plastic parts of each product also bear clear identification markings in accordance with the DIN 6120 specification, part 2, just so that they can be correctly identified and to facilitate recycling.

PACKAGING

All product packaging (paper, cardboard and plastic wrap) is 100% recyclable according to local recycling practices.
Contributing to environmental sustainability means avoiding waste and improper waste disposal.
For more information on the recyclability of each product, please visit www.kartell.com

DIN 6120 PART 2 RECYCLING SYMBOLS

The code within the logo identifies the compound in accordance with the following table:

01	02	03	04	05	06	07
PET	PE-HD	PVC	PE-LD	PP	PS	O

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

GREENGUARD

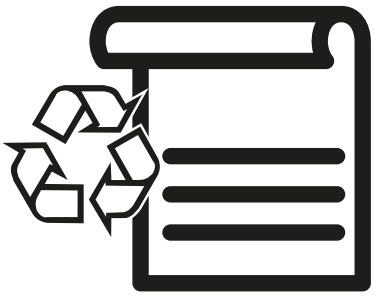
In its continuing commitment to protecting its customers' health, Kartel obtained Greenguard certification for its products in 2014.
When purchasing a Greenguard-certified product, consumers can be certain the product has been inspected, does not pollute and is not dangerous.
Greenguard is used by many certification processes for environmentally-sustainable buildings (LEED; CHPS; ASHRAE; Grren Globes; NAHB; IgCC, CONSIP) around the world.

GREENGUARD: CERTIFIED CATEGORIES

Plastic chairs, lamps and Multiplo outdoor tables

ISO 14001 CERTIFICATION: 2004

In 2011 Kartell achieved UNI EN ISO 14001: 2004 certification for its support of an effective Environmental Management System, an international standard recognised throughout the world and developed about 10 years ago which defines development and implementation parameters in corporate processes in order to achieve an effective environmental management system.



WHAT IS ISO 14001?

This certification attests that the organization certified has implemented a management system capable of controlling environmental impact in its own business and systematically endeavours to improve it in a sustainable, effective and consistent manner. ISO 14001 certification is not obligatory but is the result of the voluntary choice of the Company which decides to define, implement, maintain and improve its own environmental management system.

During 2017 Kartell updated its certification standard to UNI EN ISO 14001:2015.
A copy of the Quality Certification is available for downloading on www.kartell.com

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CISQ/IIP S.r.l.
as an IQNet Partner hereby states that the organization:
KARTELL SPA
legal place: VIA DELLE INDUSTRIE, 1 - 20082 NOVIGLIO (MI)
VIA DELLE INDUSTRIE, 1 - 20082 NOVIGLIO (MI)
for the following scope:
Design, production management of furnishing and design accessories through the transformation of plastics, metal and wood materials.
Design and production management of technical laboratory items through the transformation of plastic materials.
has implemented and maintains an
Enviromental Management System
which fullfills the requirements of the following standard
ISO 14001:2015

Issued on: 2018/01/12
First issued on: 2012/01/13
for the validity date, please refer to the original certificate* issued by CISQ/IIP

Registration Number:
IT-58594 IIP 170

Alex Stoichitoiu
President of IQNET

Ing. Claudio Provetti
President of CISQ

IQNet Partners**:
AENOR *Spain* AFNOR Certification *France* APCER *Portugal* CCC *Cyprus* CISQ *Italy*
CQC *China* CQM *China* CQS *Czech Republic* Cro Cert *Croatia* DQS Holding GmbH *Germany* FCAV *Brazil*
FONDONORMA *Venezuela* ICONTEC *Colombia* Inspecta Certification *Finland* INTECO *Costa Rica*
IRAM *Argentina* JQA *Japan* KFQ *Korea* MIRTEC *Greece* MSZT *Hungary* Nemko AS *Norway* NSAI *Ireland* PCBC *Poland*
Quality Austria *Austria* RR *Russia* SIGE *México* SII *Israel* SIQ *Slovenia* SIRIM QAS International *Malaysia*
SQS *Switzerland* SRAC *Romania* TEST St Petersburg *Russia* TSE *Turkey* Vinçotte *Belgium* YUQS *Serbia*
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.
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** The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

IIP

CISQ is a member of IQNet
www.iqnet-certification.com

CERTIFICATO N. 170
CERTIFICATE N.

Si certifica che il Sistema di Gestione Ambientale di
We hereby certify that the Enviromental Management System operated by

KARTELL SPA
sede legale: VIA DELLE INDUSTRIE, 1 — 20082 NOVIGLIO (MI)
UNITA' OPERATIVE / OPERATIVE UNITS
VIA DELLE INDUSTRIE, 1 — 20082 NOVIGLIO (MI)

è conforme alla norma
is in compliance with the standard
UNI EN ISO 14001:2015

per le seguenti attività
for the following activities
IAF14
Design, gestione dell'attività di produzione di accessori e complementi di arredo e di design attraverso la trasformazione delle materie plastiche, del metallo e del legno. Progettazione e gestione delle attività di produzione di articoli tecnici per laboratori attraverso la trasformazione delle materie plastiche.

Design, production management of furnishing and design accessories through the transformation of plastics, metal and wood materials.
Design and production management of technical laboratory items through the transformation of plastic materials.

Sistema di gestione ambientale conforme alla Norma UNI EN ISO 14001:2015 valutato secondo le prescrizioni del documento ACCREDIA RT-09

Prima emissione First issue	Emissione corrente Current issue	Scadenza Expiring date
13/01/2012	12/01/2018	12/01/2021

Il Direttore Generale
Mauro La Ciacera

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ACCREDIA
SQ0 N° 006A PRD N° 006B
SGA N° 014D ISP N° 004E
SCR N° 014F LAB N° 0007
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

FEDERAZIONE CISQ
www.cisq.com
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CISQ is the Italian Federation of management system Certification Bodies.

CERTIFICATION FSC®

FSC FORESTS® FOR ALL FOREVER

FSC® CERTIFICATION

Kartell has obtained FSC (Forest Stewardship Council) certification for the Smart Wood collection.

The FSC® mark identifies products made with wood sourced from forest managed in a responsible fashion, in line with rigorous environmental, social and economic criteria.

The forests are controlled and assessed independently in conformity with the standards (principles and criteria of best practice forest management) established and approved by the Forest Stewardship Council® a.c. with the participation and consent of all stakeholders.

The wood comes entirely from FSC certified forests, thus guaranteeing the origin and correct exploitation of forest resources. Consumers are fully guaranteed about the origin of the materials purchased.

The FSC contribution is mainly aimed at promoting sustainable management of all types of forests, combating deforestation, restoring damaged forests and significantly increasing reforestation and the growth of woods everywhere.

FSC
www.fsc.org
FSC® C149322

The mark of responsible forestry

Kartell with the Smart Wood Project
takes care of the world's forests. FSC® C149322