



TÜV Rheinland LGA Products GmbH

Quality Certificate



The TÜV Rheinland LGA Products GmbH
confirms herewith that the enterprise

G*GRASS®
64354 Reinheim

arranges for testing and controlling continuously the products

Hinge
"TIOMOS Click-on"

acc. to the conditions laid down in the general contract.
The quality criteria listed below are fully met.

Quality Characteristics	Data / Facts
Strength and functionality	Requirements according to EN 15570 level 3, DIN EN 14749 and LGA-directive fulfilled.
Durability	80 000 cycles
High pull out strength	80 N
Vertical load	330 N
Technical safety properties	Verified for domestic-, kitchen- and contract use.
System and comfort properties	The soft closing is achieved through the integrated soft-close technology with 3 tool free damping levels. Easy assembly with Click-on technology.
Quality assurance	external and internal control.

Nuremberg, 2011-03-24

Quality Certificate no. 60038106
TRLP-Test Report: 21163630

Dipl.-Ing.(FH) R. Heym
Certification body





LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company



6973 Höchst, Austria

has their products

Hinge system „Nexis 110°“

tested/inspected and permanently supervised within the scope of a surveillance agreement according to the conditions as laid down in the general contract.

The quality requirements as mentioned below are fully met.

Quality requirements	Results
Durability acc. DIN 68 857, RAL-GZ 430 1/2 kitchen furniture and LGA-guidelines	80 000 cycles, 40 N additional load
High tear out strength vertical loading (DIN EN 1153)	Up to 100 N Up to 330 N
Quality assurance	Third party and internal control

Nuremberg, 26.04.2001
modified, 26.03.2003
and 03.02.2009

Quality Certificate no. **820**
LGA-Test Report no. 337 1208

ppa.

Dr.-Ing. W. Schubert
Certification Body



Dipl.-Ing.(FH) R. Heym
Head of the Furniture Testing Institute



LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

G*GRASS®

6973 Höchst, Austria

has their products

Nexis Soft-close Click-on + Impresso for Hinge system Slide-on + Click-on + Impresso

tested/inspected and permanently supervised within the scope of a surveillance agreement
according to the conditions as laid down in the general contract.

The quality requirements as mentioned below are fully met.

Quality requirements	Results
Strength, Function	E DIN 68 857, DIN EN 1153 and LGA guidelines
Durability	80 000 cycles with 2 x 20 N additional load
Safety properties	Verified for domestic, kitchen, bathroom and contract use
Design, functionality, mounting	Ergonomic design, major comfort of operating due to adjustable stops, insulation according to mounting instructions
Mounting instruction	All required information is available.
Quality assurance	Internal and external control

Nuremberg, 23.12.2004
modified, 03.02.2009

ppa.

W. Schubert
Dr.-Ing. W. Schubert
Certification Body



Quality Certificate no. **1275**
LGA-Test Report no. 734 1956

R. Heym
Dipl.-Ing.(FH) R. Heym
Head of the Furniture Testing Institute



LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

G*GRASS®

6973 Höchst, Austria

has their products

DWD-Dynamic-XP

full extension drawer system 40 kg with integrated Soft-Close

tested/inspected and permanently supervised within the scope of a surveillance agreement
according to the conditions as laid down in the general contract.

The quality requirements as mentioned below are fully met.

Quality requirements	Results
Strength and performance	DIN 68 858, ed 06.2004 and LGA-guidelines for kitchen furniture
Durability	60 000 cycles
Test load	400 N
Slam shut/slam open strength of rawer extension	No failure at an opening speed of $v = 0,96 \text{ m/s}$ outward
Quality assurance	External and internal control

Nuremberg, 12.11.2003
modified, 01.07.2005
and 14.11.2008

ppa.

Dr.-Ing. W. Schubert
Certification Body



Quality Certificate no. **1179**
LGA-Test Report no. 735 1455

Dipl.-Ing.(FH) R. Heym
Head of the Furniture Testing Institute



LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

G*GRASS®
6973 Höchst, Österreich

have their product

Dynapro full extension

tested/inspected and permanently supervised within the scope of a surveillance agreement according to the conditions as laid down in the general contract.

The quality requirements as mentioned below are fully met.

Quality requirements	Results, facts and figures
Strength, functionality	DIN EN 15338 Level 3 and LGA requirements
Durability	60 000 cycles
Proof load	400 N
Safety	With proofed conditions DIN EN 14749 Verified for domestic-, kitchen-, bath-use
Design, functionality and assembly	Ergonomic design, functionality and high comfort of operating due to self catch and integrated insulation
Quality assurance	Third party control and internal monitoring

Nuremberg, 06.05.2009

Quality Certificate no. **1513**
LGA-Test Report no. 939 1375

ppa.



W. Schubert
Dr.-Ing. W. Schubert
Certification Body

R. Heym
Dipl.-Ing.(FH) R. Heym
Head of the Furniture Testing Institute



TÜV Rheinland LGA Products GmbH

Quality Certificate



The TÜV Rheinland LGA Products GmbH

confirms herewith that the company



have their product

Dynamooov full extension

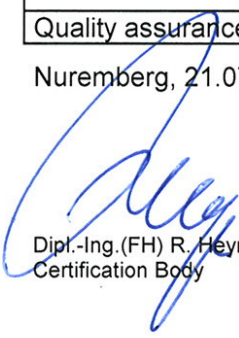
tested/inspected and permanently supervised within the scope of a surveillance agreement according to the conditions as laid down in the general contract.

The quality requirements as mentioned below are fully met.

Quality requirements	Results, facts and figures
Strength, functionality	DIN EN 15338 Level 3 and LGA requirements
Durability	60 000 cycles
Proof load	300 N
Safety	With proofed conditions DIN EN 14749 Verified for domestic-, kitchen-, bath-use
Design, functionality and assembly	Ergonomic design, functionality and high comfort of operating due to self catch and integrated insulation
Quality assurance	Third party control and internal monitoring

Nuremberg, 21.07.2010

Quality Certificate no. **60032355**
TRLP-Test Report no. 21152933


Dipl.-Ing. (FH) R. Heym
Certification Body



LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

HETAL Werke
Franz Hettich GmbH & Co. KG
72275 Alpirsbach

has their product

flap fitting
G*GRASS® "Kinvaro F-20"

tested/inspected and permanently monitored within the scope of a monitoring agreement

Quality requirements	Results
Strength, durability	In compliance with specifications according to RAL-GZ 430 kitchen areas. Durability test with 40 000 cycles and 19kg flap weight, flap height: 750 mm (2x 370mm)
System properties	Remains open at all positions after the opening route of approx. 20 cm Damped, insulated close system of the flap
Handling, assembly (mounting)	System is maintenance-free, comfort of assembly
Quality assurance	External and internal control

Nuremberg, 12.08.2008
modified, 15.07.2009

ppa.

Dr.-Ing. W. Schubert
Zertifizierungsstelle



Quality Certificate-No. **1486**
LGA test report No. 938 1480

Dipl.Ing. (FH) R. Heym
Leiter des Fachzentrums Q MBL N



TÜV Rheinland LGA Products GmbH

Quality Certificate



The TÜV Rheinland LGA Products GmbH

confirms herewith that the company

HETAL Werke
Franz Hettich GmbH & Co. KG
72275 Alpirsbach

has their product

flap fitting

G*GRASS® "Kinvaro L-80"

with new spring housing, end stop, adjusting aid and adjusting slide

tested/inspected and permanently monitored within the scope of a monitoring agreement

Quality requirements	Results
Strength, durability	In compliance with specifications according to DIN EN 15828 level 3, Ed. 2011, RAL-GZ 430 / 2, Ed. 2008 and LGA- Directive 33 045. Durability test with 40 000 cycles and 6 kg flap weight, flap height: 577 mm
System properties	Remains open at all positions after the opening route of approx. 7 cm
Handling, assembly (mounting)	System is maintenance-free, comfort of assembly
Quality assurance	External and internal control

Nuremberg 04.04.2012

Quality Certificate-No. 60076205
TRLP- test report No. 21172847-001


Karl-Heinz Heider
Certifikation body





LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

HETAL Werke
Franz Hettich GmbH & Co. KG
72275 Alpirsbach

has their product

Flap stay
G*GRASS® "Kinvaro T-105"

tested/inspected and permanently monitored within the scope of a monitoring agreement

Quality requirements	Results
Strength, durability	Requirements to RAL-GZ 430 for kitchen environment met. Durability test with 30 000 cycles
System properties	Opening function by means of forces. A large adjustment area for a broad range of flap dimensions and masses
Handling/assembly	System is maintenance-free and comfortable to assemble
Quality assurance	External and internal control

Nuremberg, 04.10.2001
modified, 15.07.2009

ppa.

Dr.-Ing. W. Schubert
Zertifizierungsstelle



Quality Certificate-No. **1024**
LGA test report No. 331 1385

Dipl.Ing. (FH) R. Heym
Leiter des Fachzentrums Q MBL N



LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

HETAL Werke
Franz Hettich GmbH & Co. KG
72275 Alpirsbach

has their product

flap fitting
G*GRASS® "Kinvaro S-35"

tested/inspected and permanently monitored within the scope of a monitoring agreement

Quality requirements	Results
Strength, durability	In compliance with specifications according to RAL-GZ 430 kitchen areas. Durability test with 40 000 cycles and 17 kg flap weight, flap height: 745 mm
System properties	Remains open at all positions after the opening route of approx. 10 cm
Handling, assembly (mounting)	System is maintenance-free, comfort of assembly
Quality assurance	External and internal control

Nuremberg 05.12.2007
translated 18.03.2008
modified, 22.08.2008
and 15.07.2009

ppa.

Dr.-Ing. W. Schubert
Zertifizierungsstelle



Quality Certificate-No. **1462**
LGA test report No. 937 1713
and 938 1643

Dipl.Ing. (FH) R. Heym
Leiter des Fachzentrums Q MBL N



LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company

HETAL Werke
Franz Hettich GmbH & Co. KG
72275 Alpirsbach

has their product

flap fitting

G*GRASS® "Kinvaro T-65/70/71/75"

tested/inspected and permanently monitored within the scope of a monitoring agreement

Quality requirements	Results
Strength, durability	In compliance with specifications according to RAL-GZ 430 kitchen areas. Durability test with 40 000 cycles and 4.7kg flap weight, flap height: 400mm
System properties	Remains open at all positions after the opening route of approx. 9 cm Damped, insulated close system of the flap
Handling, assembly (mounting)	System is maintenance-free, comfort of assembly
Quality assurance	External and internal control

Nuremberg, 20.11.2006
translated 26 January 2007
modified 21 January 2010

C. Sieber
Certification Body



Quality Certificate-No. **1399**
LGA test report No. 736 1635

Dipl. Ing. (FH) R. Heym
Head of competence centre Q MBL N