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G*GRASS®

**Product
Certifications**



LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH

confirms herewith that the company



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 drawer 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



6973 Höchst, Austria

has their products

DWD-Dynamic-XP

full extension drawer system 60 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	600 N
Slam shut/slam open strength of rawer extension	No failure at an opening speed of v = 0,84 m/s outward
Quality assurance	External and internal control

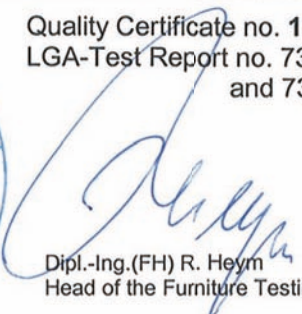
Nuremberg, 12.11.2003
modified, 01.07.2005
and 14.11.2008

ppa.


Dr.-Ing. W. Schubert
Certification Body



Quality Certificate no. 1180
LGA-Test Report no. 733 1736
and 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



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

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

ppa.

Dr.-Ing. W. Schubert
Certification Body



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

Approval document
for the LGA mark
"Hygiene Tested"



Document no. 5411329
Fee units: 10

Name and address of the approval holder:

Grass GmbH
Grass Platz 1
6973 Höchst, Austria

Place of production: ditto

Date of application:
2001/02/07

Basic test report no.
5411329

Product description: cutlery-box
Model/type: MAGIC

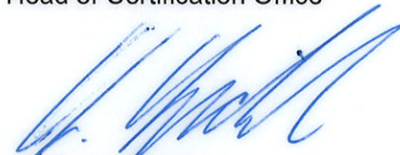
Scope of test: LGA test criteria (AA LMG 310005)

- Measurement of surface smoothness
- Assessment of ease of cleaning
- Rating of design from the hygiene point of view

LGA QualiTest GmbH
Certification Office
for Food and Commodities

Nuremberg, 2009-04-02
GI

Head of Certification Office



Christian Gicklhorn
State-certified food chemist





LGA QualiTest GmbH

Quality Certificate



The LGA QualiTest GmbH confirms herewith that the enterprise



arranges for testing and controlling continuously the products

Electronically controlled drawer system
"Grass Sensotronic"

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

Quality Characteristics	Data / Facts
Strength, function	DIN EN 15 338, RAL-GZ 430/1A-1B, DIN EN 14 749; DIN EN 60 335-1:2002 + A11:2004 + A1:2004 + A12:2006 + A2:2006; DIN EN 60 335-2-103; DIN 18 650-1
Durability	60 000 cycles
Proof load	700 N
Safety	Electronically controlled jam- and collision protection
Safety properties	Verified for domestic-, kitchen-, bathroom and contract use
Construction, function and assembly	Comfortable handling due to electronically controlled drawers
Quality assurance	external and internal control

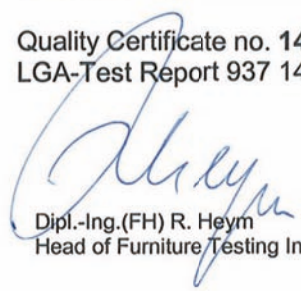
Nuremberg, 2007-10-23
modified, 03.02.2009

ppa.


Dr.-Ing. W. Schubert
Certification body



Quality Certificate no. 1442
LGA-Test Report 937 1404


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



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



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



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

ppa.

Dr.-Ing. W. Schubert
Zertifizierungsstelle

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



LGA QualiTest GmbH

Qualitäts-Zertifikat



Die LGA QualiTest GmbH

bestätigt hiermit, dass die Firma

G*GRASS®
6973 Höchst, Österreich

ihre Produkte

Dynapro Vollauszug

im Rahmen eines Überwachungsvertrages prüfen und permanent überwachen lässt.

Qualitätsmerkmale	Daten / Fakten
Festigkeit, Funktionalität	DIN EN 15338 Prüfstufe 3 und LGA-Richtlinie
Dauerhaltbarkeit	60 000 Zyklen
Prüflast	400 N
Sicherheitstechnische Eigenschaften	DIN EN 14749 in der vorgestellten Einbausituation für Wohn-, Küchen- und Badbereich erfüllt
Formgebung, Funktionalität und Montage	Ergonomisch funktionelle Gestaltung, hoher Bedienungskomfort durch Selbsteinzug und integrierte Dämpfung
Qualitätssicherung	Fremd- und Eigenüberwachung

Nürnberg, 06.05.2009

Qualitäts-Zertifikat-Nr. 1513
LGA-Untersuchungsbericht Nr. 939 1375

ppa. *W. Schubert*

Dr.-Ing. W. Schubert
Zertifizierungsstelle



R. Heym
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

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.

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



6973 Höchst, Austria

has their products

Mounting plate „Click-on“

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, 29.04.1999
modified, 09.07.2001
and 03.02.2009

Quality Certificate no. 689
LGA-Test Report no. 339 1228

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



6973 Höchst, Austria

has their products

Hinge system „Nexis 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
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 in fibre board and hard wood Up to 330 N
Form	Ergonomic functional construction
Ergonomic, mounting and handling	Easy mounting
Quality assurance	Third party and internal control

Nuremberg, 30.06.2000
modified, 26.03.2003
and 03.02.2009

ppa.

Dr.-Ing. W. Schubert
Certification Body



Quality Certificate no. 938
LGA-Test Report no. 330 1298

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