

Test- Report

Nr. IWQMBL 336 1442/1

Reported to: B.M.A. Ergonomics Deutschland GmbH
Postfach 12 28
D-87402 Kempten

Object: Attending room chair model "Controller 71" with arm rests
(1 sample supplied by the manufacturer)

Order: Safety test (Assumption for the GS-Label)

Findings:

The attending room chair model "Controller 71" meets the requirements for the GS-Label.

The test was carried out according to DIN 4551 (ed. June 1988). The loads and number of cycles of the alternate bending of DIN 4551 clause 5.6.3 test were increased to British Standard 5459 : Part 2: 1990 test level "S" clause 9a and 9b "Safety test". This test level is laid out for seating used 7 days/week and 24 hours/day.

The attending room chair complies with type DM of DIN 4551 and meets the safety requirements of BS 5459:Part 2:1990 for test level "S". No failure could be detected up to 500.000 cycles.

Note:

In combination with the signed skeleton agreement the approval of the GS-Label is given.

The following pages contain technical data and details of the test.

Nürnberg, 11.03.1998

IWQ / hy/ kl / hz

LGA - Bereich PRODUKTE
Institut für Warenprüfung
und Qualitätsüberwachung

Referat IWQ MBL

Dipl.-Ing. (FH) R. Heym



Test technician:

i. V.

Ing. (UNI. Hacettepe) A. Durmaz

This test report contains 9 pages of text.

Test Results

Object

Article:	Attendance room chair
Type/model:	Controller 71
Number of samples:	1
Samples delivered by:	BMA
delivered:	17.09.1996, 04.11.96 - additional components

Scope of tests

Rolling resistance
Lower suspension
Ergonomic design
Dimensionsto DIN 4551
Ergonomic functionality
Component test
Seating impact
Alternating bending loads of seat and back
Maximum permitted projection of back (dimension "n")
Static load test of back after durability test
Stability
Arm rest fatigue test
Arm rest static load test
Integral castor fatigue test
Test to the Equipment Safety Act
Test of the instruction manual
Marking of the chair
Marking of the gas spring

Applicability of test results

The test results refer solely to the tested samples.

Measurement uncertainty

Unless otherwise stated all dimensions are measured to an accuracy according to DIN 7168-g for old constructions resp. DIN ISO 2768 part 1 "c" for new constructions. For all other physical values the measurement uncertainty is $< \pm 5 \%$.