

SGS Class 4 Gas Lift Compliance Statement

We at Red Magma Office Furniture Trading, we ensure that all our office furniture components meet the highest industry standards. This document certifies that the Class 4 Gas Lifts used in our office chairs have been rigorously tested and certified by SGS, confirming their compliance with ANSI/BIFMA X5.1-2017 standards.

Certification Details

Certificate Type: SGS Class 4 Gas Lift Certification

Issuing Authority: SGS

Certificate Reference: SDHL2103002886FT

Scope: Performance and durability testing of gas spring mechanisms for office chairs.

Product Coverage

The following chair models utilize this certified gas lift component:

- **OptiMesh Series**
- **Imperial Series**
- **ProFlex Series**
- **Legacy Series**

These models ensure safe, long-lasting performance with the SGS Class 4 Gas Lift, providing smooth height adjustments and enhanced user comfort.

Tests Conducted & Results

The SGS Class 4 Gas Lift underwent multiple tests according to ANSI/BIFMA X5.1-2017 standards for General-Purpose Office Chairs. All tests were passed, ensuring compliance with industry standards.

Key Test Results

- **Backrest Strength Test (Static – Type I & II):**
 - **Functional Load Test:** Applied 667 N (150 lbf.) for 1 minute → PASS
 - **Proof Load Test:** Applied 1001 N (225 lbf.) for 1 minute → PASS
- **Drop Test (Dynamic):**
 - **Functional Load Test:** A 102 kg (225 lb.) weight dropped from 152 mm (6 in.) → PASS
 - **Proof Load Test:** A 136 kg (300 lb.) weight dropped from 152 mm (6 in.) → PASS
- **Seating Durability Test:** Tested with a 57 kg (125 lb.) bag for 100,000 cycles → PASS

This Class 4 Gas Lift provides higher durability and enhanced safety, making it ideal for professional office chairs requiring superior load capacity.

Benefits of Certification

By using SGS Class 4 Gas Lift components, our products offer:

- **Superior Strength:** Higher load capacity for executive and heavy-duty chairs.
- **Smooth Performance:** Reliable and safe height adjustments.
- **Long-Term Durability:** Proven through extensive testing.
- **Enhanced Safety:** Compliant with global quality standards.

A copy of the original certificate is available upon request or can be verified through the certifying body. For more details, please reach out to us.



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