

# FIRE RATING CERTIFICATION

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Mikasa FD60 - 54mm Door set with Hardwood Frame



**Test Report No:** D180110087/D180110087-1

**Date of Issue:** 10-May-2018



**Sample Booking/Receipt Date:** 10-Jan-2018

**Date of Start of Testing:** 27-Jan-2018

**Date of Completion of Test:** 27-Jan-2018

**Test Report Issued To:**

**GREENLAM INDUSTRIES LTD**

PLOT NO. E - 176 / 179, PHASE - II, RIICO INDUSTRIAL  
AREA, P.O BEHROR, ALWAR, RAJASTHAN, INDIA,

This is to certify that Mikasa 60 Minute Fire Rated Door set, passed fire resistance test for Integrity, Stability and Insulation for 60 minutes rating as per BS 476 Part 20, BS 476 part 22 and IS 3614 Part2

vide test report no. **D180110087/D180110087-1** as per below  
make:

Door Panel	54mm Solid Particle Core with Density more than 600 kg/m <sup>3</sup>
Door Frame	Hardwood with Density more than 640 kg/m <sup>3</sup>

Authenticity of report can be verified by mail at [verification@spectrolab.in](mailto:verification@spectrolab.in)

This is a Digitally Signed Report and hence doesn't require Physical Signature.

**Spectro Analytical Labs Limited** S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida-201308 (India)

**Phone :** +91-120-2341250, 2341251 || **URL :** [www.spectro.in](http://www.spectro.in) || **Email:** [care@spectro.in](mailto:care@spectro.in)

An NABL Accredited, BIS and DDA Approved, ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory  
Please refer to our Website [www.spectro.in](http://www.spectro.in) for Terms & Condition



**National Accreditation Board for  
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



## **CERTIFICATE OF ACCREDITATION**

### **SPECTRO ANALYTICAL LABS LIMITED**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2005**

**"General Requirements for the Competence of Testing & Calibration Laboratories"**

for its facilities at

S-1 GNEPIP, Surajpur Industrial Area Kasna, Phase-V, Greater Noida,  
Gautam Budha Nagar, Uttar Pradesh

in the field of

**TESTING**

**Certificate Number** TC-6314 (in lieu of T-3983, T-3008, T-3009 & T-3984)

**Issue Date** 05/06/2016

**Valid Until** 04/06/2018

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL

N. Venkateswaran  
Program Director



89076970100030000253

Anil Relia  
Chief Executive Officer



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Spectro Analytical Labs Limited, S-1 GNEPIP, Surajpur Industrial Area  
Kasna, Phase-V, Greater Noida, Gautam Budha Nagar, Uttar Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-6314 (in lieu of T-3983, T-3008, T-3009 & Page 76 of 79  
T-3984)

**Validity** 05.06.2016 to 04.06.2018 **Last Amended on** 18.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Material Finer than 75 Micron	IS 2386 (P-1):1963 (RA 2016)	0.1 – 10 %
3.	Autoclaved Cellular Concrete Blocks, Autoclaved Aerated Concrete Blocks	Dimension	IS 2185 (P-3):1984 (RA 2010)	50-700 mm
		Block Density	IS 6441 (P-1):1972 (RA 2011)	400-1500 kg/m <sup>3</sup>
		Compressive Strength	IS 6441 (P-5):1972 (RA 2011)	2.0-15 N/mm <sup>2</sup>
		Moisture Content	IS 6441 (P-1):1972 (RA 2011)	1.0-15%
		Drying Shrinkage	IS 6441 (P-2):1972 (RA 2011)	0.01-1%
		Fire Test (Non Load Bearing Units) (up to 1200°C) (3 Mtr X 3 Mtr X 1.2 Mtr)	ASTM E119-16a	Qualitative Test
4.	Concrete	Compressive Strength	IS 516:1959 (RA 2013)	10 – 80 N/mm <sup>2</sup>
5.	Building Bricks	Compressive Strength	IS 3495 (P-1):1992 (RA 2011)	1-20 Mpa
		Water Absorption	IS 3495 (P-2):1992 (RA 2011)	5 – 30 %
		Dimension	IS 1077:1992 (RA 2011)	10-5000 mm
6.	Door Shutters	Fire Resistance Test (Non Load Bearing) (up to 1200°C)	BS 476-20:1987	Qualitative Test
IV.	SOIL & ROCK			
1.	Soil	Light Compaction (MDD/OMC)	IS 2720 (P-7):1980 (RA 2011)	1 – 4 g/cc, 0.1-20%
		Heavy Compaction (MDD/OMC)	IS 2720 (P-8):1983 (RA 2015)	1 – 4 g/cc, 0.1-20%

Neeraj Verma  
Convenor

N. Venkateswaran  
Program Director