



SIRIM QAS International Sdn.Bhd. (Company No.: 410334-X)
No.1, Persiaran Dato' Menteri, P.O.Box 7035, Section 2,
40911 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel. no: 03- 55446390/6386/6380
Fax. no: 03-55446381

TEST REPORT

REPORT NO.: J20121270318	PAGE : 1 OF 21
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Applicant : **HYPERRACK SDN. BHD.**
Wisma Hyperack
No.40-G & MF, Lintang Gelugor,
Off Persiaran Sultan Ibrahim,
41300 Klang, Selangor, Malaysia.

Manufacturer : Same applicant

Product : **Colour Rack (i), Boltless Rack (ii,iii) Heavy Duty Pallet Racking (iv,v,vi)**

Reference Standard / : **ASTM D642 :**
Method of test : **- Compression Test**

Description of sample : Brand Name : HYPERRACK
Model / Type : i. Not Specified
ii. DRB – Butterfly, LDU 1.5mm
iii. DRB – Rivet, LDU 2.0 mm
iv. Box Beam : 80*40 mm, Upright UR70
v. Box Beam : 100*50 mm, Upright : UR90
vi. Box Beam : 120*50 mm, Upright : UR90
Serial Number : Not Specified
Quantity : 6 pcs
Photograph : Refer to appendix I , II & III

Our reference : SQAS/MPT/14/9

Date received : 30 April 2012

Job no./Ref. No. : J20121270318

Description of test result : The submitted test sample as described in this test report complied with the requirement of the above Reference Standard.

Issued date : **25 MAY 2012**

Approved Signatories


MOHD AZLAN BIN MUSTAFFA, CPLP
Testing Executive




HAJI MOHD ADZHAR BIN AHMAD
Head
Mechanical Section
Testing Services Department
23/5

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RESULTS

TEST METHOD	MODEL	DIMENSION	RESULTS	
			Peak Force (kg)	Deformation at Peak (mm)
Compression Test Adoption to ASTM D642 Test Velocity : 12.7 mm/min Yield Detection : 10%	Colour Rack	(H) 1840 X (D) 350 X (L) 900 mm (4 Level)	199.0	6.9
	Boltless Rack 1.5 mm	(H) 6' X (D) 2' X (L) 4' (4 Level)	648.6	17.2
	Boltless Rack 2.0 mm	(H) 6' X (D) 2' X (L) 4' (4 Level)	1383	13.9
	Pallet Racking UR70	(H) 1800 X (W) 900 X 2460 mm	3939	72.4
	Pallet Racking UR90 - 1	(H) 1800 X (W) 900 X 2700 mm	6041	63.0
	Pallet Racking UR90 - 2	(H) 1800 X (W) 900 X 2700 mm	7628	53.1

Observation:

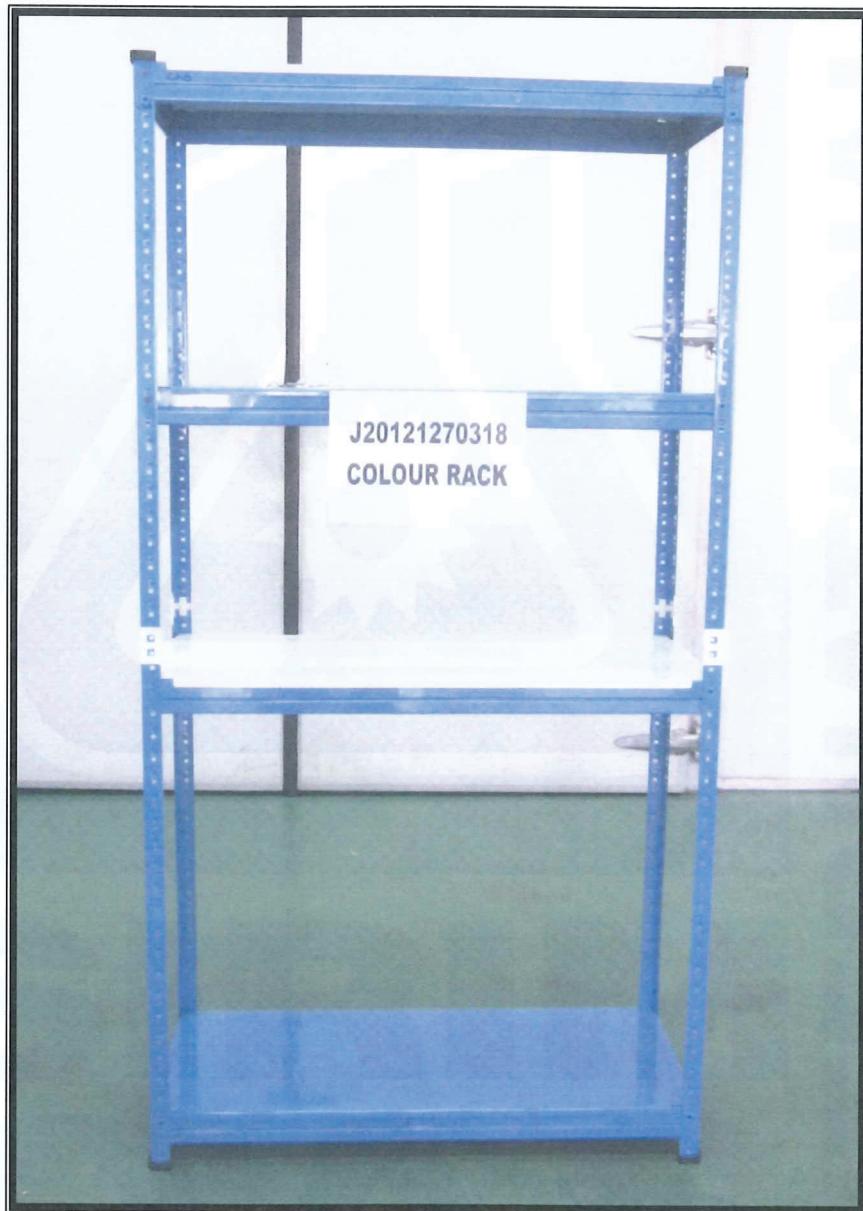
Upon completion of the test, all the samples were found in **satisfactory condition**.




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Appendix I

Photograph of sample



Opi h



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Appendix II
Photograph of sample



Apik

SIRIM QAS INTERNATIONAL SDN BHD
Mechanical Section

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Appendix III
Photograph of sample



Dipak



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Appendix IV

Photograph of sample



Ogi A

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Appendix V

Photograph of sample



Ogur

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Appendix VI

Photograph of sample



Dgiz

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Appendix VII

Photograph of the sample under Compression Machine



A handwritten signature of a SIRIM representative.

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Appendix VIII

Photograph of the sample under Compression Machine



Oprih

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Appendix IX

Photograph of the sample under Compression Machine



A handwritten signature in blue ink, appearing to read "Ogur" or "Ogurh".

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Appendix X

Photograph of the sample under Compression Machine



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Appendix XI

Photograph of the sample under Compression Machine



Opi R

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Appendix XII

Photograph of the sample under Compression Machine



Ogn L

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Appendix XIII

Force Graph

Please refer pages 16, 17, 18, 19, 20 & 21

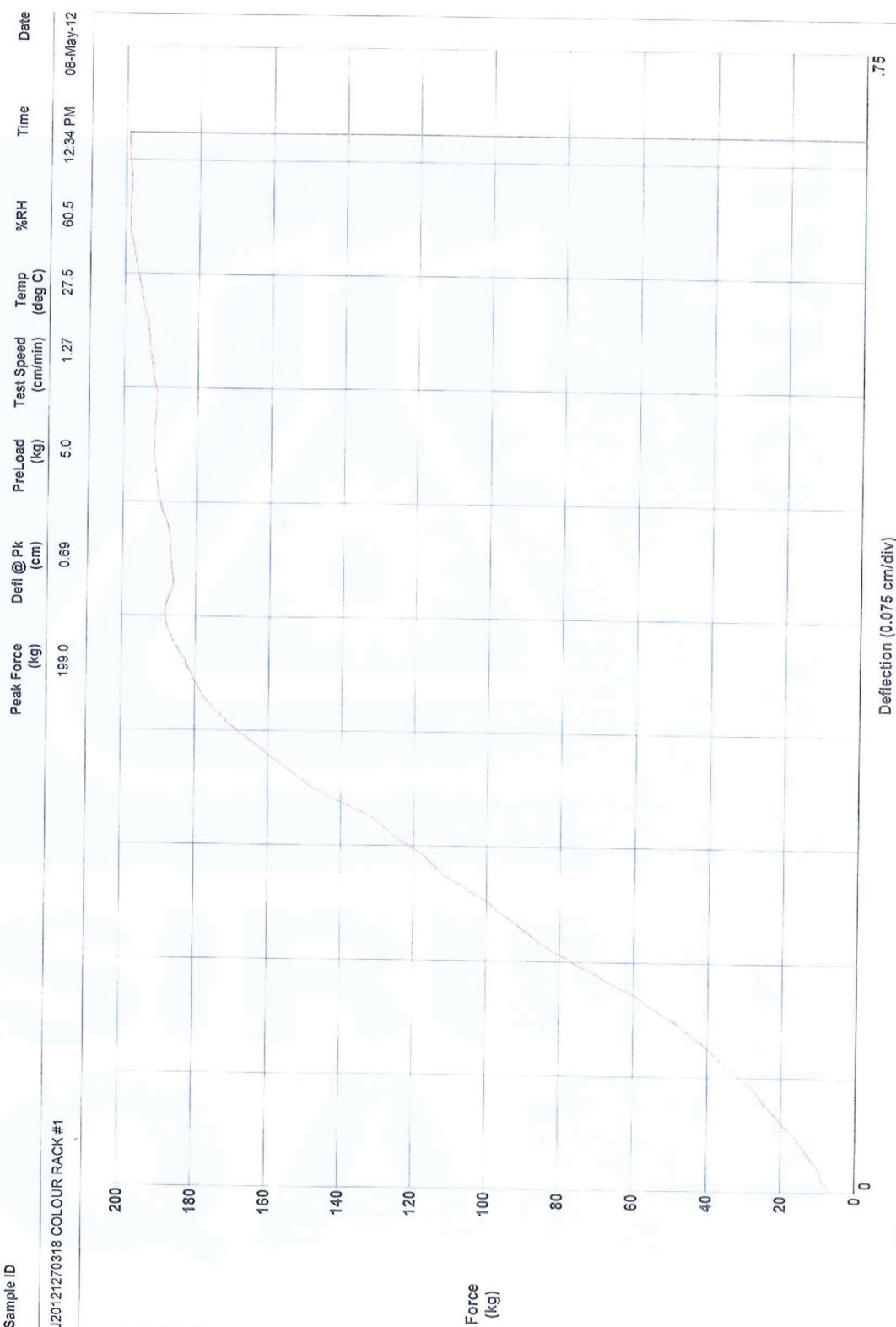


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Sample ID

J20121270318 COLOUR RACK #1



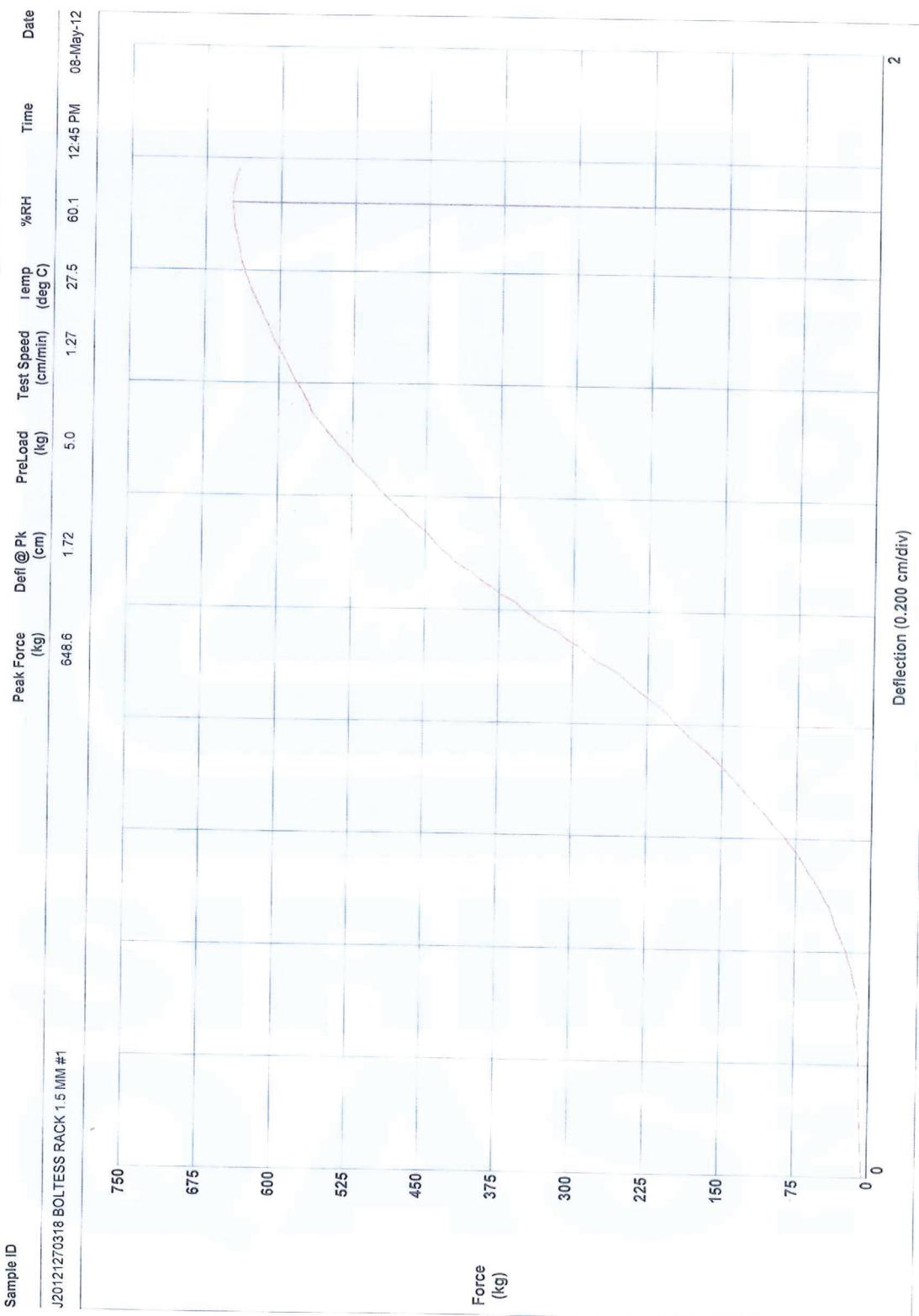
Deflection (0.075 cm/div)

.75



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TouchTest
Compression



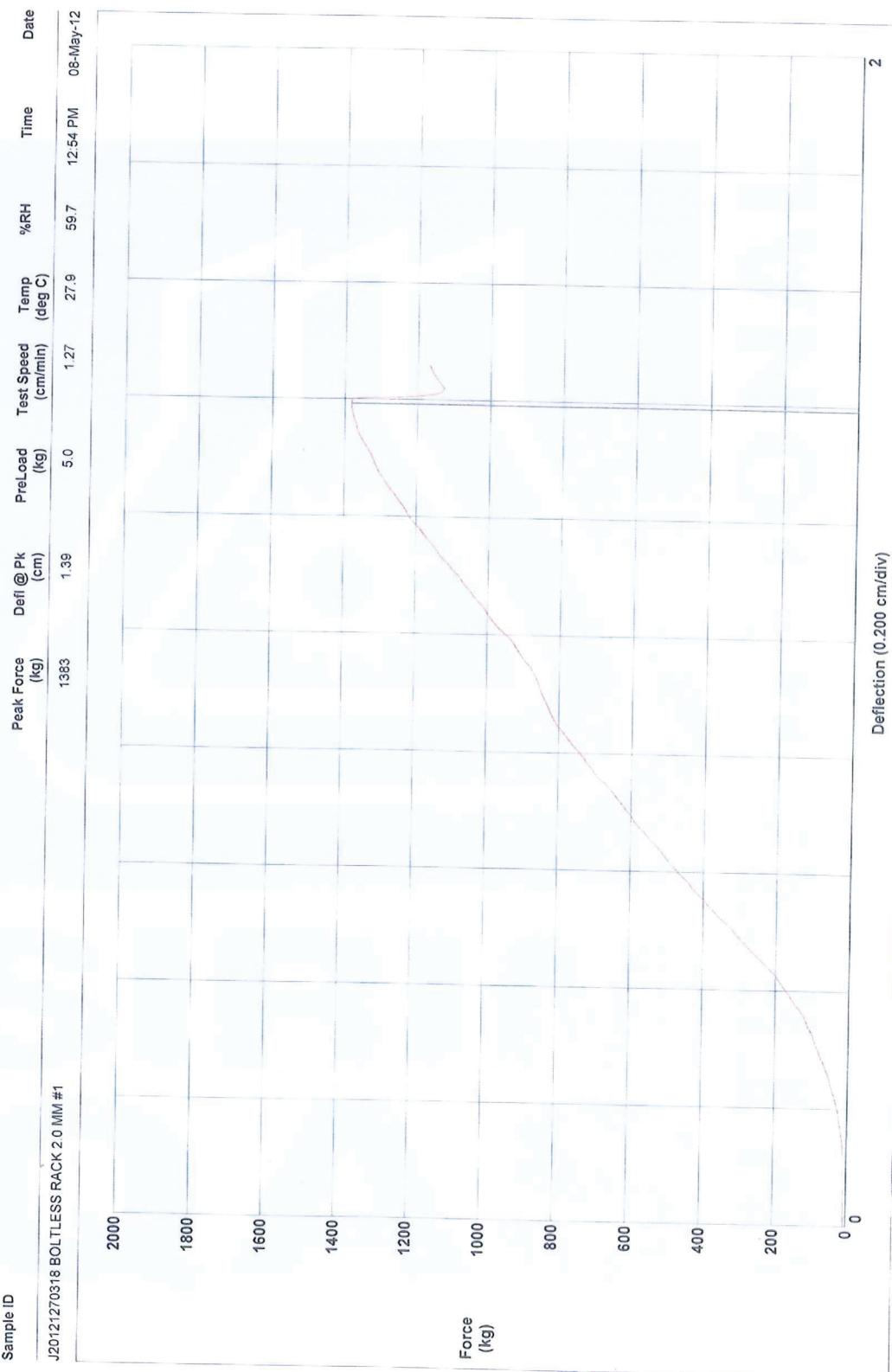
Ogini

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TouchTest
Compression

Sample ID
J20121270318 BOLTLESS RACK 2.0 MM #1



Ogini

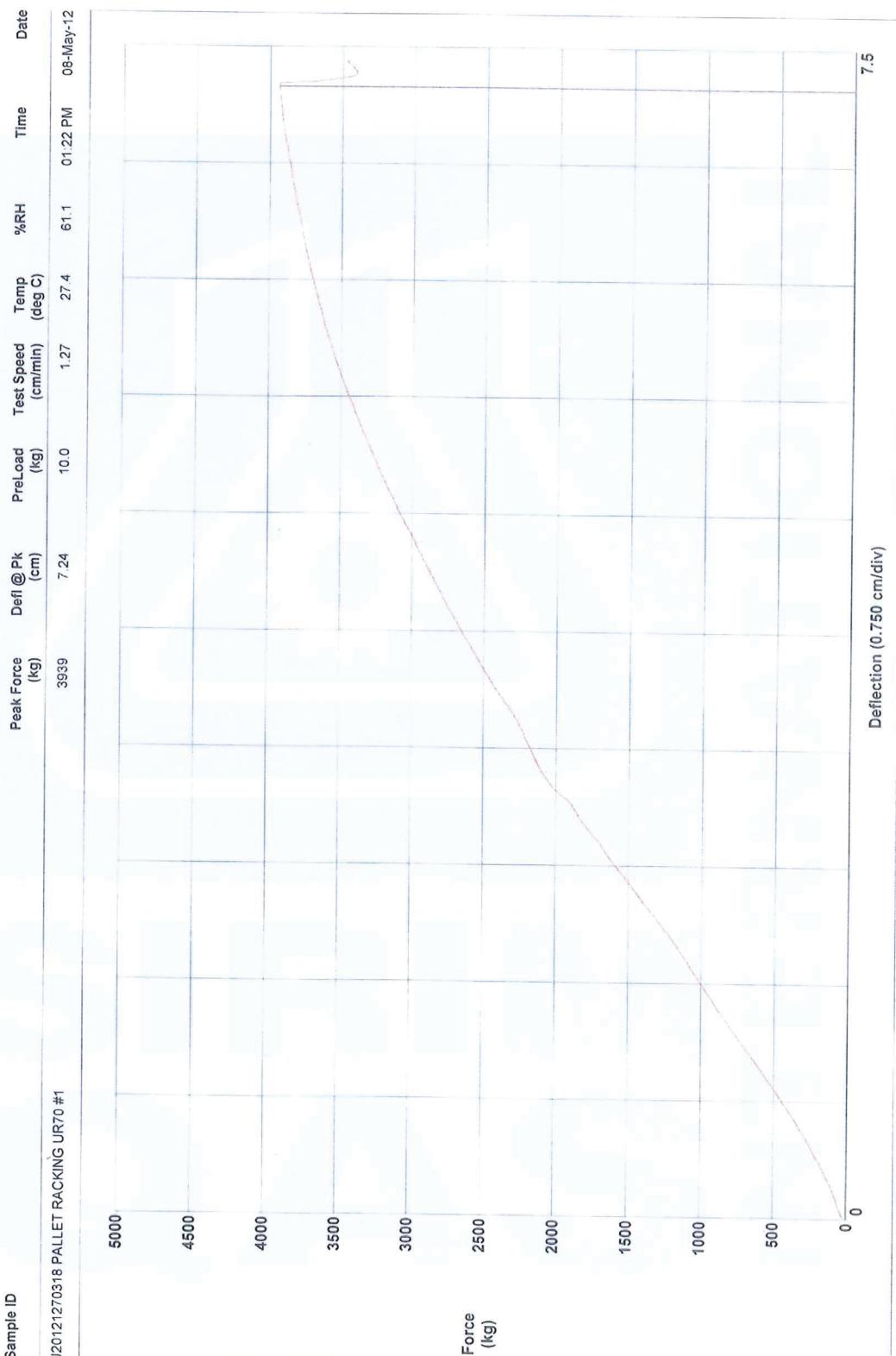
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TouchTest
Compression

Sample ID

J20121270318 PALLET RACKING UR70 #1



Ogini

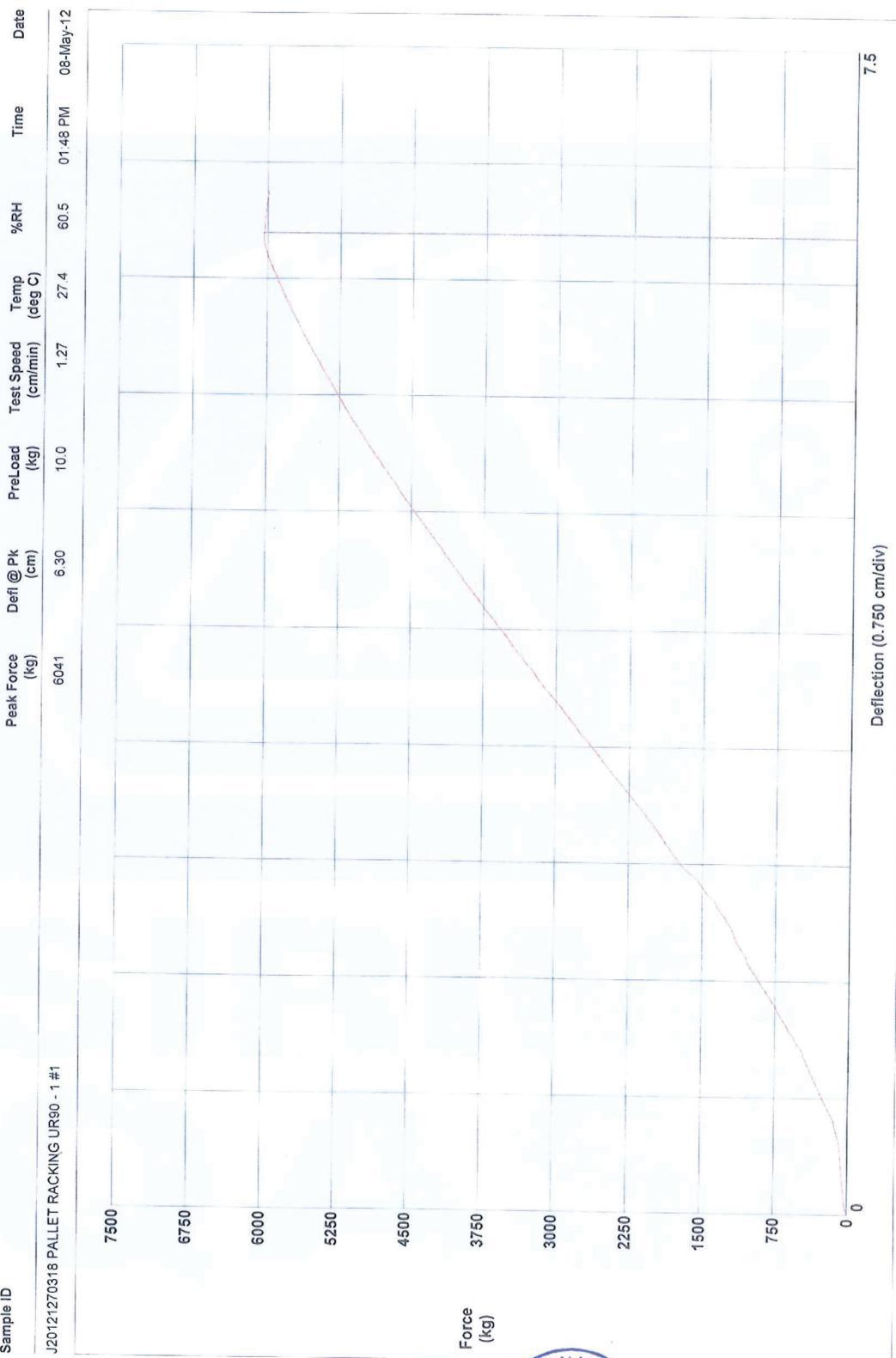
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TouchTest
Compression



Sample ID

J20121270318 PALLET RACKING UR80 - 1 #1

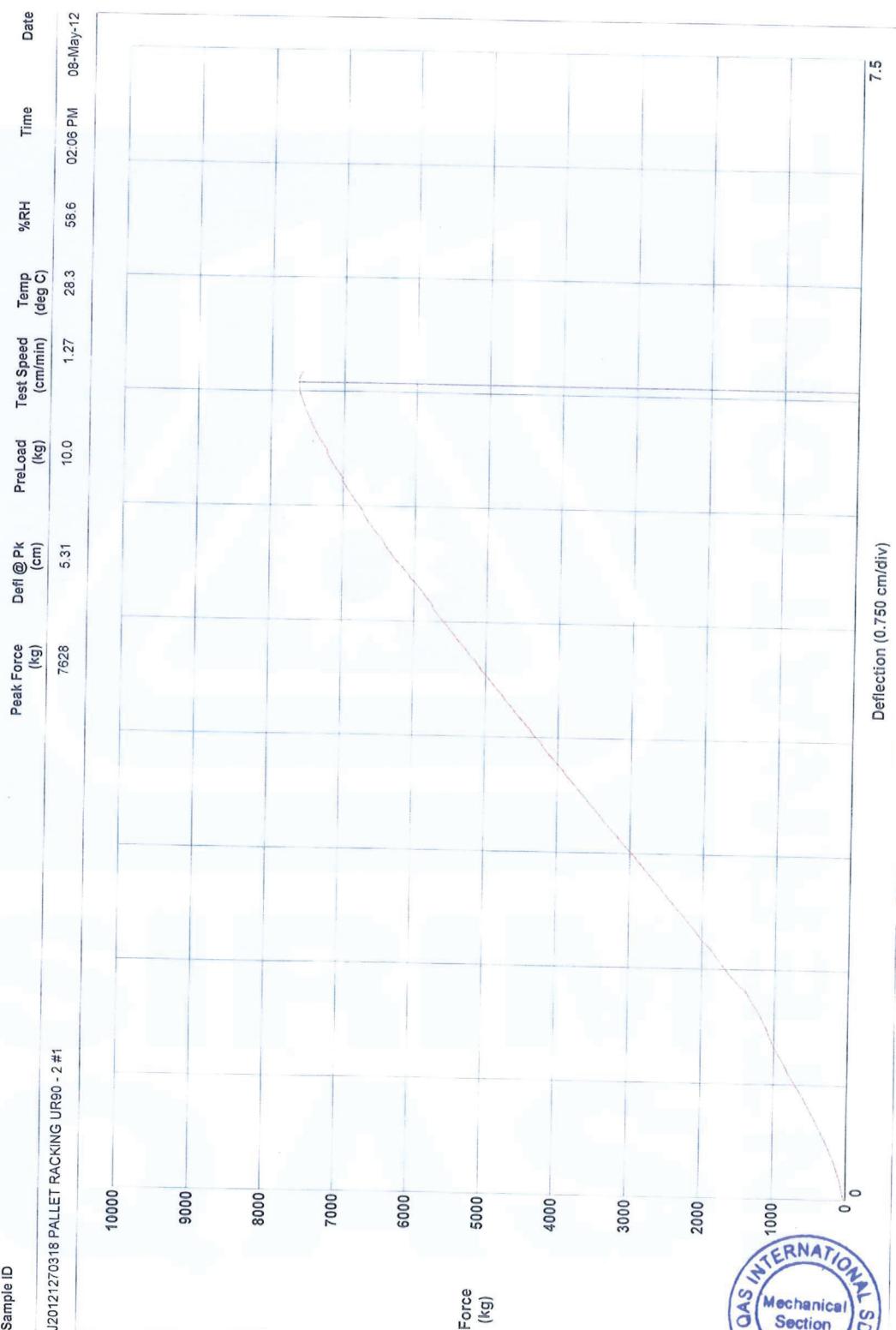


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Sample ID

J20121270318 PALLET RACKING UR90 - 2 #1



Yi

TEST REPORT

REPORT NO.: J20121270167-S1	PAGE : 1 OF 2
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Applicant : **HYPERRACK SDN. BHD.**
 Wisma Hyperack No.40-G & MF, Lintang Gelugor,
 Off Persiaran Sultan Ibrahim,
 41300 Klang, Selangor, Malaysia.

 Manufacturer : Same as applicant

 Product : **Heavy Duty Pallet Racking**

 Reference Standard / Method of test : **Compression Test (Adoption to ASTM D642)**

 Description of sample : Brand Name : HYPERRACK
 Model / Type : Box Beam 90 X 50 (mm), Upright: UR90
 Dimension : H1800 X W900 X L2700 (mm)
 Serial Number : Not specified
 Quantity : 1 Unit
 Photograph : Refer to page 2

 Our reference : J20121270167
 Date received : 7 March 2012
 Description of test result : The submitted test sample as described in this test report complied with the requirement of the above Reference Standard.
 Issued date : **04 MAY 2012**

Approved Signatories

MOHD FAUZELY BIN MUSTAPA BAKARI
 Testing Executive



HAJI MOHD ADZHAR BIN AHMAD
 Head
 Mechanical Section
 Testing Services Department

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Photograph of Sample



Compression Test Setup for Heavy Duty Pallet Racking

Ag: J



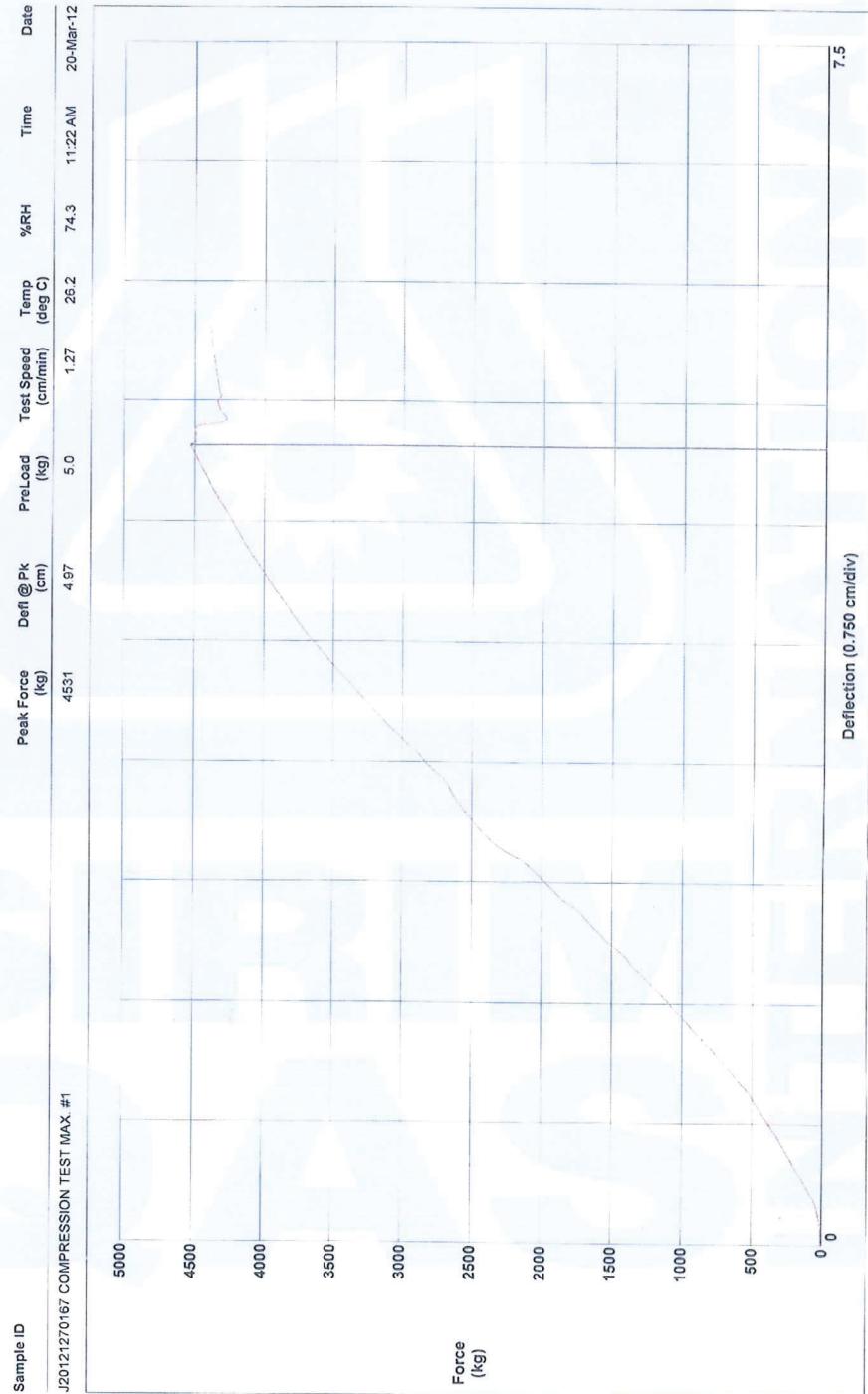
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RESULTS

Compression Graph



TouchTest
Compression



Ogus