

# Test Report

No.: 64.190.23.0547.01-00

Dated: 2023-09-20



**Applicant:** Shenzhen Kkmark Event Co., Ltd  
**Address:** 302 zhongguang building No.22 Yayuan Rd Bantian Longgang Shenzhen  
**Sample Submission:** The sample was submitted by applicant and identified.  
**Product Name:** Aluminum truss  
**Order No.:** /  
**Identification/Style No.:** KKMark Pre Rig Truss  
**Manufacturer:** /  
**Country of Origin:** /  
**Buyer:** /  
**Export to:** /  
**Receipt Date of Sample:** 2023-09-12  
**Date of Testing:** From 2023-09-12 to 2023-09-12  
**Test Result:** Refer to the data listed in following pages

## Test Specification(s) or Test Item(s):

1. Loading test according to client's requirements

## Conclusions:

See Test Results

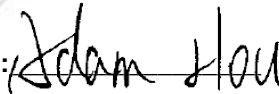
Hardline Laboratory

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch Testing Center

Tested By: 

Steven Pan  
Project Handler



Reviewed By: 

Adam Hou  
Designated Reviewer

Note: (1) "General Terms & Conditions" applied. For full version, please visit: <http://www.tuvsud.cn/cn-scn/terms-and-conditions>  
2) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4. 3) The conclusion of test result was drawn according to corresponding regulation or standard method and/ or client's requirement


Laboratory:  
TÜV SÜD Testing Center, No. 63 Chuangqi  
Road, Shilou Town, Panyu Distric, Guangzhou,  
P.R. China

Telephone: +86 020 3832 0668  
Telefax: +86 020 3832 0478  
<http://www.tuv-sud.cn>

Regd. Office:  
TÜV SÜD Certification and Testing (China) Co.,  
Ltd. Guangzhou Branch 5F, Communication  
Building, 163 Pingyun Rd, Huangpu West Ave.

Page 1 of 4

## Description of the test subject:

1	Product Description	Aluminum truss	
2	Dimensions	Dimension:	W608mm x H356mm
		Main tube (mm):	Dia. 50 x T 5.0
		Vice tube (mm):	Dia. 50 x T 5.0
		Inclined tube (mm):	Dia. 32 x T 2.0
		Special section tube (mm):	W45 x H90
		Aluminium plate (mm):	180 x 60 x T10.0
			80 x 80 x T10.0
			80 x 100 x T10.0
Sample photo(s)			
			

## Test Results

## 1. Loading test according to client's requirements

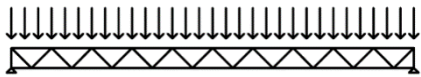
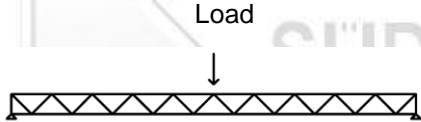
Test item	Requirement ~ Test	Measuring result ~ Remark	Verdict
Loading test	<p>The specified loads were applied and deformations were measured 10 minutes after load and 10 minutes after load removal.</p> <p><b>1. Uniformly distributed load (UDL)</b> The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 1. The load was uniformly distributed on the truss and the deflection under this loading condition was measured accordingly.</p> <p style="text-align: center;">Load</p>  <p style="text-align: center;"><b>Figure 1</b></p> <p><b>2. Concentrated position load (CPL)</b> The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 2. The load was concentrically placed and the deflection under this loading condition was measured accordingly.</p> <p style="text-align: center;">Load</p>  <p style="text-align: center;"><b>Figure 2</b></p> <p><b>Note:</b> Measured deflection, (mm) – Deflection under load Residual deflection, (mm) – Deflection after removing load</p>	Details see the following table 1	/

Table 1

Item	Test Data
Span, (m)	17.2
UDL: Total load applied, (kg)	25 x 20 = 500
Measured deflection, (mm)	107
Residual deflection, (mm)	37

# Test Report

No.: 64.190.23.0547.01-00

Dated: 2023-09-20



CPL: Total load applied, (kg)	25 x 14 = 350
Measured deflection, (mm)	82
Residual deflection, (mm)	7
Test results	No visible damage was found during and after test.

## TESTING PHOTO



### Remark:

1. The test results exclusively based on the submitted sample.
2. Specific requirement of test report as per clause 7.8.3 of CNAS-CL01-2018 or other accreditation scheme, such as: remark of subcontract information or on-site testing information.

### Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties.

Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements.

By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

-End of Test Report-