

# Test Report

No.: 64.190.23.0546.01-00

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 Bolt Plate 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

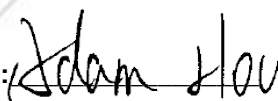
Hardline Laboratory

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

Tested By: 

Steven Pan  
Project Handler



Reviewed By: 

Adam Hou  
Designated Reviewer

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## Description of the test subject:

1	Product Description	Aluminum truss	
2	Dimensions	Dimension:	W305mm x H305mm
		Main tube (mm):	Dia. 50.8 x T 3.2
		Vice tube in horizontal direction (mm):	Dia. 50.8 x T 3.2
		Vice tube in vertical direction (mm):	Dia. 25.4 x T 3.2
		Inclined tube (mm):	Dia. 25.4 x T 3.2

Sample photo(s)



## Test Results

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

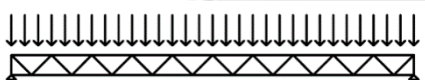
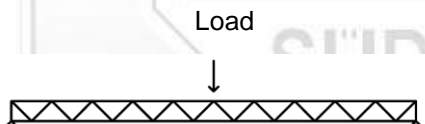
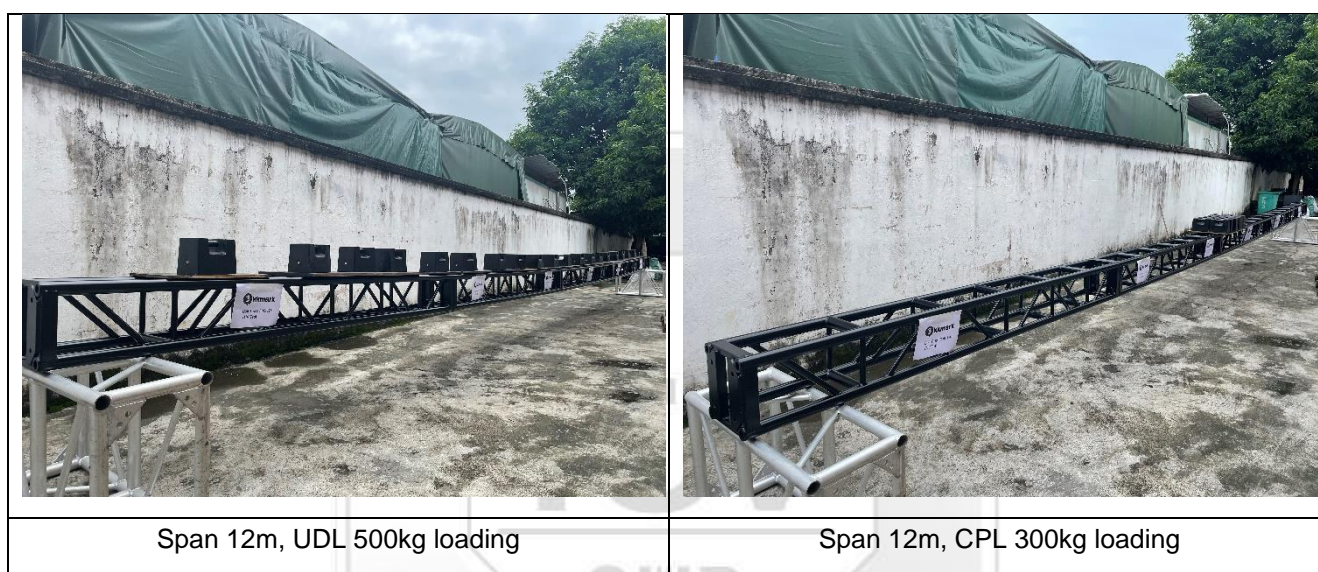
Test item	Requirement ~ Test	Measuring result ~ Remark	Verdict
Loading test	<p>The specified loads were applied and deformations were measured 10 minutes after load and 10 minutes after load removal.</p> <p><b>1. Uniformly distributed load (UDL)</b> The truss was supported by two rigid frames at two 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)	12
UDL: Total load applied, (kg)	25 x 20 = 500
Measured deflection, (mm)	90
Residual deflection, (mm)	0

CPL: Total load applied, (kg)	25 x 12 = 300
Measured deflection, (mm)	84
Residual deflection, (mm)	2
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-