Test Report No.: 64.190.23.0547.01-00
Dated: 2023-09-20

Greater China

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

Steven Pan
Project Handler

Reviewed By: Adam Hou

Adam Hou
Designated Reviewer

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**

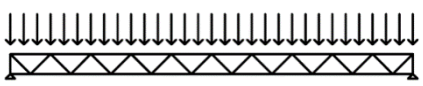
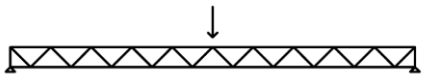
Test item	Requirement ~ Test	Measuring result ~ Remark	Verdict
Loading test	The specified loads were applied and deformations were measured 10 minutes after load and 10 minutes after load removal. **1. Uniformly distributed load (UDL)** The truss was supported by two rigid frames at two ends to reach 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. Load  **Figure 1** **2. Concentrated position load (CPL)** 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. Load  **Figure 2** **Note:** Measured deflection, (mm) – Deflection under load Residual deflection, (mm) – Deflection after removing load	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

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

Span 17.2m, UDL 500kg loading

Span 17.2m, CPL 350kg loading

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-