



Test Report

No.: 64.190.24.0430.01-00

Dated: 2024-06-12

Applicant: GUANGXI EVENT-BROTHER STAGING PRODUCTIONS CO., LTD.
Address: Room.909&911,Zonghe Building,Jianlong Industrial Zone,No.96 Jinka Road,Nanning City.Guangxi,China.
Sample Submission: The sample was submitted by applicant and identified.
Product Name: V400 Aluminum truss
Order No.: /
Identification/Style No.: V400
Manufacturer: EVENT-BROTHER(FOSHAN)STAGING EQUIPMENT MANUFACTURING CO.LTD
Country of Origin: China
Buyer: /
Export to: /
Receipt Date of Sample: 2024-06-05
Date of Testing: From 2024-06-05 to 2024-06-05
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:

Mac Xiao

Mac Xiao
Project Handler



Reviewed By:

Steven Pan

Steven Pan
Designated Reviewer

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(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

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Description of the test subject:

1	Product Description	V400 Aluminum truss	
2	Dimensions	Overall Dimension:	13m L x 400mm x 400mm
		Main tube (mm):	Dia. 50 x T 4.0
		Vice tube (mm):	Dia. 50 x T 4.0
		Brace tube (mm):	Dia. 30 x T 3.0

Sample photo(s)



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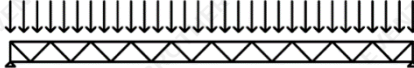
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Test Results

1. Loading test according to client's requirements

Test item	Requirement ~ Test	Measuring result ~ Remark	Verdict
Loading test	<p>The nominal loads were applied and deformations were measured 30 minutes after load</p> <p>1. Uniformly distributed load (UDL)</p> <p>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>Load</p>  <p>Figure 1</p>	Details see the following appendix 1 and appendix 2	/

Appendix 1

Item	Test Data
Span, (m)	12
Uniformly distributed load, (kg)	1200(50Kg/Hook)
Test results	No visible damage was found during and after test.

Remark: Measuring points are marked every meter.

Loading point	1	2	3	4	5	6	7	8	9	10
Distance from bottom of truss to the ground prior to Test, (mm)	840	843	841	844	847	850	851	839	837	842
Distance from bottom of truss to the ground in loading Test, (mm)	825	814	801	794	790	793	798	791	792	816
Measured deflection, (mm)	15	29	40	50	57	57	53	48	45	26

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Loading point	11	12
Distance from bottom of truss to the ground prior to Test, (mm)	847	849
Distance from bottom of truss to the ground in loading Test, (mm)	835	843
Measured deflection, (mm)	12	6

Appendix 2

Span, (m)	Uniformly distributed load, (kg)	Central deflection, (mm)
12	1200	55

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.

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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-

