



# Test Report

**Report No.** TC.26.03.001097

**Date of Issue** 2026-04-24



**Applicant:** TCcore Applied Honeycomb Technology Co., LTD  
**Applicant Address:** NO.31 Gongye 1st Rd., Annan Dist, Tainan City 70955, Taiwan (R.O.C)  
**Sample Description:** ALUMINIUM HONEYCOMB CORE  
**Style No.:** Foil Thickness 0.05\*Cell SizeØ6.4-NR-Thickness50mm  
**Manufacturer:** Zhangjiagang Jianglian Precision Machinery CO., LTD.  
**End use:** Export  
**Receipt Date of Sample:** Received on 2026-03-13  
**Date of Testing:** From 2026-03-13 to 2026-04-17  
**Sample Submitted:** The Sample(s) and Its (Their) Information(s) Was (Were) Submitted by Applicant and Identified.  
**Test Result:** Refer to Next Page.

TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.

Prepared by:

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Wangli Cheng

Approved by:

*Wu Mengqi*

Mengqi Wu

**Note:**

- (1) Each order is subject to acceptance of our [General Terms and Conditions](#) and the [TÜV SÜD Testing, Certification, Validation and Verification Regulation](#), in the version valid at the time the contract is concluded. For full version of above both documents, please visit the link to view.
- (2) The results in this report are relevant only to the sample(s) tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory.
- (4) Disclaimer: Measurement Uncertainty:

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 or CNAS-GL015:2022

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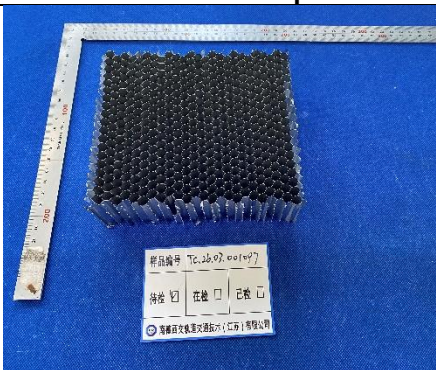


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## Description of the test subject

Sample	Description	Picture of Sample
001	ALUMINIUM HONEYCOMB CORE	

## Conclusion:

Test Items	Standard	Conclusion
1 Corrosion resistance	AMS-C-7438A	Pass



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## Test Results

### 1. Corrosion resistance

Test method: AMS-C-7438A

Test condition				
Corrosive medium	pH	Test chamber temperature	Saturation chamber temperature	Spray pressure
5%NaCl	7	35°C	48°C	98KPa
Spray method	Test duration	Sedimentation amount	Start test time	End test time
Continuous spray	720h	1.7ml/h	2026-03-18	2026-04-17
Test Results (M)				
1#	2#	3#	4#	5#
0.0652	0.0673	0.0705	0.0663	0.0686

The weight loss per square foot of exposed foil area is calculated in grams as follows:

$$M = \frac{36C(O - A)}{TLW}$$

M= The weight loss per square foot of exposed foil area (g)

C= Nominal battery size (inches) (1/4)

T= Thickness measurement along the battery axis (inches)

L= Length measurement in the strip direction (inches)

W= Lateral width measurement (inches)

O= Original weight of the sample before exposure (g)

A= final weight of the sample after stripping (g)

**Client's requirement: <0.125g/sq. ft**

**Conclusion: Pass**

-End of Report-



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