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中国认可
国际互认
检测
TESTING
CNAS L0868

检验检测报告

TEST REPORT

Report No. (2025) JGB00029

Sample Description Copper Tape 50mm x 6mm

Test Category BS EN 13601:2021

Testing Agency Shaoxing Testing Institute of Quality Technical Supervision

Client LUNA FAR EAST SDN BHD

Manufacturer LUNA FAR EAST SDN BHD

绍兴市质量技术监督检测院

Shaoxing Quality Technology Supervision & Test Institute



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实验室联系方式

附设机构：

国家环保设备质量检验检测中心（浙江）
国家有色金属加工产品质量检验检测中心（浙江）
国家纺织化学品质量检验检测中心（浙江）
浙江省制冷配件设备质量检验中心
浙江省纺织品与染化料质量检验中心
浙江省纺织机械产品质量检验中心
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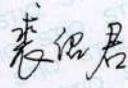
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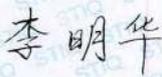
Testing Report

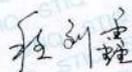
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Product	Copper Tape	Test Category	BS EN 13601:2021
Material	LFE 5006	Production Unit	/
Date of the Production	26/12/2024	Consignor	JERRY IT
Name of Client	LUNA FAR EAST SDN BHD	Sample Date	January 2, 2025
Receiving Number of Sample	2 pieces	Test Date	January 3, 2025~January 21, 2025
Description and Condition of Sample(s)	BARE COPPER TAPE, Qualified Of Appearance. Good And Shiny Appearance.		
Test Requirements	YS/T 482-2022, GB/T 228.1-2021, GB/T 23606-2009, GB/T 32791-2016, BS EN 13601:2021 《Copper and copper alloys-Copper rod, bar and wire for general electrical purposes》		
Test Item(s)	See the Back Pages (Page 2/3 & Page 3/3)		
Testing Apparatuses	Microcomputer Controlled Electronic Universal Testing Machine, Direct Reading Spectrometer etc.		
Test Conclusion	<p>The testing items of all samples tested are in accordance with the test requirements.</p> <p style="text-align: right;">(Seal For Testing and Inspection) Approved Date: January 21, 2025</p>		
Remarks	/		

Approved by: 
Shaojun Qiu

Reviewed by: 
Minghua Li

Compiled by: 
Liexing Cheng



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Test Reports

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Test Clause	Test Items and Technical Requirement	Unit	Test Results			Verdict
1、Dimensions and Allowable Deviations (BS EN 13601:2021 - CLAUSE 6.6)						
1	Thickness 6 ± 0.055	mm	6.00			Pass
2	Width 50.0~51.0	mm	50.00			Pass
2、Electric Properties (BS EN 13601:2021 - CLAUSE 8.5)						
1	Electrical Conductivity ≥ 96.6	%IACS	99.51			Pass
2	Mass Resistivity ≤ 0.1588	$\Omega \cdot g/m^2$	0.1475			Pass
3、Mechanical Properties (BS EN 13601:2021 - CLAUSE 8.2 & 8.3)						
1	Tensile Strength R_m	MPa	80			/
2	Yield Strength $R_{p0.2}$	MPa	217			/
3	Elongation A	%	65.0			/
4	Hardness 65~95	HV1	67.0	66.3	66.5	Pass
4、Hydrogen Embrittlement (BS EN 13601:2021 - CLAUSE 8.6)						
1	Hydrogen Embrittlement: The sample was heated in a furnace in a hydrogen stmosphere. Keep warm at 825~875°C for 30 minutes. Natural cooling in the hydrogen atmosphere. Bending 180°, no cracks.	/	No Cracks			Pass



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Test Clause	Test Items and Technical Requirement	Unit	Test Results	Verdict
5. Chemical Composition (BS EN 13601:2021 - CLAUSE 6.1)				
1	Cu ≥ 99.95	%	99.98	Pass
2	Bi ≤ 0.0005		0.0002	Pass
3	P 0.002~0.007		0.002	Pass
4	Pb ≤ 0.005		0.001	Pass



Photo Of Sample 50x6mm Copper Tape

The End of the Reports