



# TEST CERTIFICATE

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<b>Sample Information:</b>		
<b>Sample:</b> Aluminum Microchannel Heat Exchanger	<b>Report No:</b> 21014952/Z	<b>Job Code:</b> STRC/21014952
<b>Sample Description:</b> Aluminum Microchannel Heat Exchanger		<b>Sample Received On:</b> 17/09/2025
<b>Ref No.:</b> PO-00030, Date: 19/08/2025 & 00046, Date: 10/11/2025	<b>Report Issue Date:</b> 09/12/2025	<b>Date of Testing:</b> 17/09/2025 to 08/12/2025
<b>Sample Condition:</b> Ok		<b>Sample Quantity:</b> 1 Piece
<b>Client Information:</b>		
<b>Customer Name &amp; Address:</b> <b>Octolife Climate Solutions Private Limited</b> Industrial Plot-82, First Floor, Udyog Vihar, Phase-4, Gurugram-122015 Haryana		
<b>Information provided by the customer:</b>		
<b>Batch No.:</b>	Nil	

## 1. Acetic acid Salt Spray Test

<b>Sample Description</b>	: Aluminum Microchannel Heat Exchanger
<b>Test Method/Specification</b>	: ASTM B368
<b>Salt Solution</b>	: 5 % NaCl Solution & 0.25g CuCl <sub>2</sub> /Liter with adding glacial acid to adjust pH (3.1-3.3)
<b>pH of Solution</b>	: 3.1-3.3
<b>Temperature</b>	: 49±1°C
<b>Quantity of Fog</b>	: 1.0 ml-2.0ml /80cm <sup>2</sup> /Hour
<b>Test Start Date</b>	: 18/09/2025
<b>Test End Date</b>	: 25/11/2025
<b>Exposing Duration</b>	: 1000 Hours (720 Hrs + 280 Hrs)
<b>Completion of Exposure Duration :</b> 1000 Hours	

Examine the appearance of specimen(s) by visual check after 24 hours salt spray test accomplished upto 1000 hours.

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Santram Rajput  
Technical Manager  


(1) The Test results listed refer only to tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.(2) Total liability of our Lab is limited to the invoiced amount. (3) Sample(s) are retained for 7 days (in case of perishable items) and 30 days for non perishable samples or unless otherwise specified. (4) This Test Report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without our special permission in writing. (5) The Test Report refer to the sample submitted to us and not drawn by Sigma Test & Research Centre unless mentioned otherwise.



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### Test Results:

Check Specimens	Appearance check (visual check) Does a Corrosion or oxidation phenomenon occur on the surface of specimen?	Functional Check & Performance Check
Aluminum Microchannel Heat Exchanger	No	No leak found (checked at customer end)

**Note:** First schedule 720 hours completed the leak check at customer end. After that 280 hours more, test duration exposure of salt spray done. After 1000 Hours Leak Check done at customer end and no leak found in the sample.

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SIGMA TEST & RESEARCH CENTRE  
B-8/5, Phase-I,  
Badli Industrial  
Area, N Delhi-42  
Santram Rajput  
Technical Manager

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# SIGMA

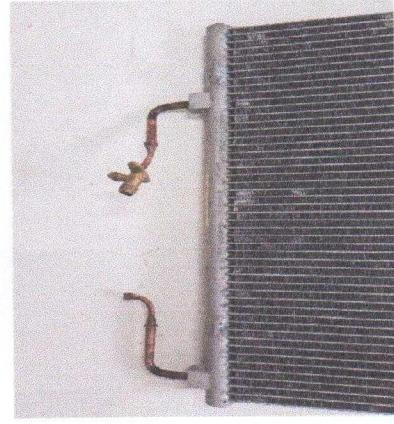
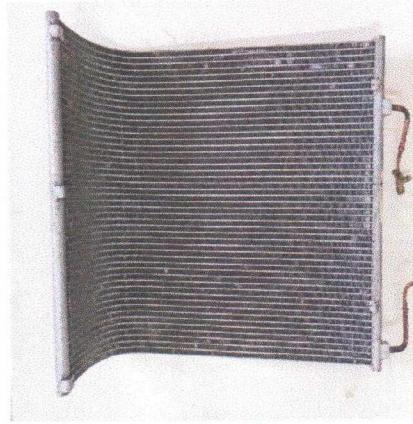
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**Sample Photo Before Test****Under Test****After Test**

**Note:** Sigma Test & Research Centre authenticate photos on original report only.

\*\*\*\*\*End of Report\*\*\*\*\*

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