LRQA Verification Limited

Inspection Body Survey & Fabrication Report, Ministry of Manpower, Singapore

0003

Project:	23010 AFC SINGAPORE PROJECT		
Client:	Jiangyin Raven Thermal Engineering Co.,Ltd.	Office	Shanghai
Client Order Number:	Q24-EW-238 Rev.0	Date:	18 October 2025
		Order	Complete
Inspection Date First:	30 May 2025	Final	18 October 2025

This certificate is issued to Jiangyin Raven Thermal Engineering CO., LTD. certifying that the undersigned surveyor did attend to their factory at No. 999-2 Yungu Road, Yunting District, Jiangyin City, Province, 214422, People's Republic of China for the inspection of the following equipment:

Item / Manufacturer's Serial Number:	IC1 Tube Bundle / A25001-1-01, A25001-1-02, A25001-1-03
G.A Drawing No.:	230101 Rev. 0
Design Code:	ASME SEC. VIII DIV 1, ED.2023
Design Conditions:	MAWP: 3.9 MPa at 120℃ MDMT: 19.4° C at 3.9 MPa Test Pressure: 6.32 MPa (hydro test)
Design Appraisal Document No.:	SDAC/2590046-01, issue No.0, dated 01 September 2025.

1. Design appraisal in accordance with ASME SEC. VIII DIV 1, ED.2023 and the requirements of the Ministry of Manpower, Singapore performed by LRQA Verification Limited.
2. Verification of Materials used and markings against approved drawing and material specifications.
3. Review of welding procedure specification and supported procedure qualification records.
4. Review of welder performance qualifications and welding operator performance qualifications.
5. Random inspection of weld preparations, fit-up & welding activities.
6. Review of NDE personnel qualification.
7. Review of RT film and RT UT PT report.
8. Perform visual & dimensional inspection in accordance with approved drawings
9. Witness hydrostatic pressure test and verify the calibration of pressure gauges.

Marking / Identification:

LRQA Surveyor's initials " " have been hard stamped on flange of nozzle for identification purpose.

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Conclusion :
On the basis of the above scope of inspection undertaken, it is considered that the pressure vessel referenced above has been found to comply with the requirements of the order and specification.

Remark :
This fabrication survey report is issued as a Type A Inspection Body under accreditation to ISO17020 by UKAS Inspection Body # 0003.

LRQA Verification Limited
Name: CHENGYE ZHU
ZHU CHENGYE
Date:
Signature:
Surveyor to For and on behalf of LRQA Verification Ltd
Ref No.:
Office:
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LRQA003 11.2021