



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB005716PU**

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	Welded steel pipes
<i>Type</i>	Austenitic stainless steel RINA grade 304(L) 316(L) or equivalent steel according to recognized standards
<i>Manufacturer</i>	SUNGWON CO., LTD.
<i>Place of manufacture</i>	1F, 5, CHONAMGONGDAN 2-GIL, GWANGYANG-EUP, 57759 GWANGYANG-SI, JEOLLANAM-DO REPUBLIC OF KOREA
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **Busan** on **January 12, 2016**. This Certificate is valid until **June 8, 2020**



RINA Services S.p.A.
Dong-Hun Lee

This certificate consists of this page and 1 enclosure

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Austenitic stainless steel RINA grade 304(L) 316(L) or equivalent steel according to recognized standards

APPROVAL CONDITIONS

Size range: - Outside diameter : max. 610 mm
- Wall Thickness : 12 mm

Manufacturing Process: PAW + GTAW welded.

Heat treatment: Solution annealing.

Non destructive examination of welded seam: eddy current test.

Remarks: including low temperature service.

Survey conditions:

the pipes are to be in compliance in all respects with the requirements specified in Part D Ch 2 Sec2 of the RINA Rules and are to be tested accordingly.

General conditions for the approval

- The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.
- RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.

Busan January 12, 2016



A handwritten signature in black ink, appearing to be "G" followed by a flourish.