CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS

No. **FAB088426PU**

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.

Description	**Steel ingots**
Type	**Carbon carbon manganese steel ingot for forgings**
Manufacturer	**SEAH CHANGWON INTEGRATED SPECIAL STEEL CORPORATION**
Place of manufacture	**147 Jeokhyeon-ro, Seongsan-gu** **51708 Changwon-si (Gyeongsangnam-do)** **REPUBLIC OF KOREA**
Reference standards	**RINA Rules for the approval of manufacturers of materials**

Issued in **BUSAN** on **April 15, 2026**. *This Certificate is valid until* **April 24, 2031**

Sangho Lee

RINA Services S.p.A.

This certificate consists of this page and 1 enclosure

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No. **FAB088426PU**
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Carbon carbon manganese steel ingot for forgings

APPROVAL CONDITIONS

Steel making process: electric arc furnace & laddle furnace, vaccum degassing/Argon-oxygen decarburization ingot casting

Max. weight : 200 ton

Delivery condition: as casted

Survey conditions: the final forgings to be used for construction of ships classed with RINA are to be in compliance with the requirements 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 April 15, 2026

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