



No. : TA21609E

Date : 15 June 2021

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Steels for Hull

1. Manufacturer

: PRIVATE JOINT STOCK COMPANY

"AZOVSTAL IRON & STEEL WORKS"

2. Kind of Product

: Plates

3. Grade

: KA, KB, KD, KE, KA32, KD32, KE32, KA36,

KD36 and KE36

4. Deoxidation Practice

: See Table

5. Grain Refining Elements

: See Table

6. Max. Thickness

: See Table

7. Condition of Supply

: See Table

8. Steel Making Process

: Basic Oxygen Furnace

9. Casting process

: Continuous Casting

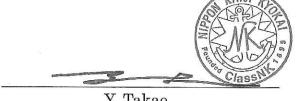


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Table Part of Approval Conditions

Grade	Deoxidation Practice	Grain Refining Elements	Max. Thickness (mm)	Condition of Supply
KA KB	Killed	Not Applicable	50	AR
	Fine-grained Killed	AI	50	N
KD	Fine-grained Killed	Al	35	AR
			40	CR
			50	N
KE	Fine-grained Killed	Al	50	N
KA32 KD32 KA36 KD36	Fine-grained Killed	Al-Nb	40	CR
			50	N
KE32 KE36	Fine-grained Killed	Al-Nb	50	N _a



Y. Takao General Manager Material and Equipment Department