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Certificate for Welding Consumable CM-A96MB

Project: Supplementary List of Certified Welding Consumables

Client:	Kobe Steel, Ltd. Office: Ibaraki Plant	Yokohama
Clients Order Number:	- Date:	22 May 2023
	Order Status:	Completed
Inspection Dates First:	20 February 2023 Final:	15 May 2023

This certificate is issued to the above Client to certify that the undersigned Surveyor to this Society did at their request attend their Ibaraki Plant and Fujisawa Plant on and between the dates shown above for the purpose of examining and testing below noted welding consumable.

Trade Name:	CM-A96MB
Welding Process:	Manual Electrode
Welding Position:	D
Joint Type:	BF
Specification:	CM-A96MB [M – Manufacturer's specification]

A weld metal assembly was prepared using the welding consumable of lot number A0012X7U/ A0012X7U, and specimens machined from the assembly according to the specification were tested using calibrated measuring and testing equipment in the presence of the undersigned with results satisfying the requirements of the specification as follows.

	Dia. [mm]	Re [N/mm ²]	Rm [N/mm²]	A [%]	CVN Impact [J]	Test Temp.	Stress Relief
Spec.	4.0-5.0	≥ 460	≥ 550	≥ 19	-	-	690±14°Cx1hr
Obtained	4.0/5.0	520/509	619/613	28/28	-	-	690±14°Cx1hr

Chemical Analysis of Deposit Metal [WT %]

	с	Si	Mn	Р	S	Ni	Cr	Мо	Cu
Spec.	0.05-0.12	0.60 max	0.90 max	0.030 max	0.030 max	-	1.00-1.50	0.40-0.65	-
Obtained	0.06/0.06	0.48/0.47	0.78/0.78	0.006/0.007	0.001/0.001	-	1.34/1.33	0.57/0.56	-

The works of the manufacturer was inspected and found in satisfactory order. The process of manufacture, including supervision, quality control and record keeping were of adequate standard and storage condition and facilities were found to be satisfactory as well.

M Wakamor Lloyd's Register Group Limited M. Wakamori Surveyor to Lloyd's Register Group Limited



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