

KOBE STEEL, LTD.
IBARAKI PLANT
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NIPPON KAIJI KYOKAI

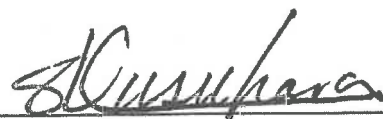
Selection of test samples; 9 Jul., 2025
Date of mechanical test; 13 Apr., 2026

Messrs Nippon Kaiji Kyokai



General Manager of Kobe Branch Office

Annual Test Results of Approved Welding Materials
(Covered Electrode)



Surveyor to NK



S. Furuya
Quality Assurance Team

Brand Name	Grade	Applied Rule	Certificate No.
NC-36	KD316	NK Rule	NKY-1452

TEST RESULTS

(NK)

Grade	Electrode		Grade *1 of Steel	Tensile Test						Impact Test		
	Brand	Dia. mm ϕ		Y.P or 0.2% Offset		Tensile Strength		Elongation		Test Temp. °C	Avg. J	Spec. J
				N/mm ²	Spec.	N/mm ²	Spec.	%	Spec.			
KD316	NC-36	4.0	D*	487	≥225	567	≥550	41	≥30	—	—	—
		5.0	"	481	"	566	"	44	"	—	—	—

1:D=Groove and face of backing were buttered by the same electrodes before welding.

Chemical Composition of Deposited Metal

Electrode	Size (mm ϕ)	(wt %)							
		C	Si	Mn	P	S	Ni	Cr	Mo
NC-36	4.0	0.03	0.42	1.55	0.023	0.001	11.93	19.64	2.20
	5.0	0.03	0.38	1.42	0.022	0.001	11.91	19.63	2.18