

# INSPECTION CERTIFICATE

Date of Issue      28/Aug/2017

PURCHASER

Certificate No.    TD17-002 08-17

**HAN VINH JOINT STOCK COMPANY**

TRADE DESIGNATION	SIZE (mm)	MFG. No.	APPLICABLE SPECIFICATION & CLASSIFICATION
<b>KOBE-VP54</b>	<b>3.2 x 350</b>	<b>54023D</b>	<b>AWS A5.1 E6013</b>

CHEMICAL COMPOSITION (%) ACCORDING TO EN10204 TYPE 3.1

Elements	C	Si	Mn	P	S	Ni	Cr	Mo	V		
Weld Metal	<b>0.07</b>	<b>0.25</b>	<b>0.30</b>	<b>0.011</b>	<b>0.005</b>	<b>0.04</b>	<b>0.04</b>	<b>0.01</b>	<b>0.010</b>		

MECHANICAL PROPERTY ACCORDING TO EN10204 TYPE 2.2

Tensile Test of Weld Metal				Impact Test of Weld Metal			Tested size for Mechanical test: 4.0x400 mm  Tested MFG. No. of  Mechanical test: 72062
Yield Strength at 0.2% offset	Tensile Strength	Elongation	Test Temp.	Absorbed Energy			
<b>440 MPa</b>	<b>498 MPa</b>	<b>29 %</b>	<b>0 °C</b>	Avg.	<b>63</b>	J	

Welding Conditions				Postweld Heat Treatment	REMARKS
Type of Current	AC			--- °C x --- Hr.	
Welding Current	125	A			
Welding Voltage	21	V			

We hereby certify that the test results of the above welding material are as described herein and satisfy the requirements of applicable specification.



**THAI-KOBE WELDING CO., LTD.**

CHIEF INSPECTOR

