

# TCK SUPPLIES & SERVICES

(an associate of Sunray Marine & Engineering Pte Ltd)

61 Bukit Batok Crescent #07-05 Heng Loong Building Singapore 658078

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Business activities: Welding Training / Test Centre, Engineering Services & Supplies etc.

## WELDER'S CERTIFICATE

WELDER'S NAME: CHIN TIAM KIN

CERT NO:TCK50585

Code	: AWS D.1.1 / D1.1M : 2004	Date Of Test	: 20/10/2005
WPS No	: TCK/01/04	WP No	: 4 00103615
Welding Process	: SMAW	Type	: Manual
		Position Tested	: 3G

BASE METAL		FILLER METAL	
Material Spec	: ABS GR "A"	Filler Spec	: AWS E6013
Size Of Test Ass	: 9.5mm X 180mm X 150mm	Wire-Flux Spec	: N.A.
Joint Config	: SINGLE VEE BUTT JT	Shielding Gas	: N.A.
Size Of Backing Strip	: 6.4mm X 80mm	Size Of Filler	: DIA 3.2mm
		Trade Name	: KOBELCO RB-26

TEST RESULTS			
Visual Inspection	: PASSED	Radiographic Examination	: PASSED
		Report No	: JS/RT/05427

DESTRUCTIVE TEST			
FILLET WELD		BUTT WELD	
Macro Etch	: N.A.	Root / Face Bend Test	: N.A.
Filter Break	: N.A.		

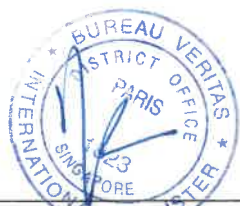
QUALIFICATION RANGE	
Positions Qualified For Groove Weld	: 1G, 2G & 3G For Plate And Pipe
Positions Qualified For Plate Fillet Weld	: 1F, 2F & 3F
Positions Qualified For Pipe / Tubing Fillet Weld	: 1F, 2F & 3F
Thickness Range Qualified	: BUTT : 3.2-19mm FILLET : UNLIMITED
Pipe Diameter Qualified	: 24" & ABOVE WITH BACKING OR BACK GOUGING

We, the undersigned certify that the contents in this record are correct and the welds are prepared and tested in accordance with the requirement of the abovementioned standard.

For Manufacturer : TYCO FIRE, SECURITY &  
SERVICES PTE LTD  
Name : Kok Peng Hon  
Date : 26/10/2005

Test Witnessed By :  
Mr Victor Lee (Bureau Veritas)  
Date : 26/10/2005

  
(Sign & Stamp) 

  
(Sign & Stamp)