WELDING PROCEDURE QUALIFICATION RECORD (PQR)
(Section IX, ASME Boiler and Pressure Vessel Code)

TÜV NORD

Procedure Qualification Record No: wPQR-EK-BW-01

Tensile- Tests (QW-150) (2360.17.4281)

Specimen No	Width (mm)	Thickness (mm)	Area (mm^2)	UltimateTotal Load (kN)	UltimateUnit Stress (N/mm^2)	Type of Failure&Location
1	-	5	95	51,9	542	Material
1	-	5	95	50,63	533	Material

Guided-Bend Tests (QW-160) (2360.17.4281)

Type and Figure No.	Mandrel Dia.	Bending Angle	Result
Face Bend	53	180	Accept
Face Bend	53	180	Accept
Root Bend	53	180	Accept
Root Bend	53	180	Accept

Toughness tests (QW-170) (N/A)

Specimen No.	Notch Location	Specimen Size (mm)	Test Temp. (ºC)	Impact Values (Joule)	Impact Values % Shear	Impact Values Mils (in.) or mm	Drop Weight Break (Y / N)
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
			Avarage HAZ	-			
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
			Avarage HAZ	-			
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
			Avarage WELD	-			

Comments :

Fillet – Weld Test (QW-180)

Result- Satisfactory: ☐ Yes ☐ No Penetration into Parent Metal: ☐ Yes ☐ No

Macro - Result

Other Tests

Type of Test :	Visual Examination	Liquid Penetrant Test	Radiographic Examination	Hardnes Test	Macro Test
Report No :	Tüv Nord	-	-	-	-
Result :	Satisfactory	-	-	-	-

Deposit Analysis -

Other -

Welder's Name	Fuat KALIN
Welding test conducted by	Aziz ÜNLÜ - TÜV NORD (TÜV Teknik Kontrol ve Belgeledirme A.Ş.)
Mechanical tests conducted by	QVV Tahribatlı ve Tahribatsız Test Lab. Test No. As Above

We certify that the statements in this record are corrected and that the test welds were prepared, welded and tested in accordance with the requirements of Section IX of the ASME Code. This certificate is issued under the scope of ISO/IEC 17020 accreditation by TÜRKAK. The accreditation status would be verified via https://secure.turkak.org.tr/kapsam/search under accreditation number of AB-0100-M.

Certified By: TÜV Teknik Kontrol ve Belgelendirme A.Ş. (Nobo 2354)

Authorized Expert: AZİZ ÜNLÜ SIGNATURE : Date :16.10.2017

TÜV NORD TÜV Tek.Kont. ve Belg. A.Ş.

TÜV Teknik Kontrol ve Belgelendirme A.Ş.
Ayazmadere Cad. Pazar Sk. Bareli Plaza No; 2-4 Kat;4,Gayrettepe, İstanbul-TÜRKİYE
Telefon: +90 212 293 26 42 Fax: +90 212 293 38 44 E-mail: tuv-nord@tuv-turkey.com