

### TEST CERTIFICATE

REF #: TCR/OQP/16-22	REV: 0	ISSUE DATE: 10/10/2017.	TEST LOCATION - DAMMAM
<b>T. C. No. E3682</b>	<b>DATE: 17/07/2023</b>		Page 1 of 1
<b>Customer: PLANTECH ARABIA Co. LTD.</b>	<b>Client: N/A</b>		
<b>Sample Description: 6"OD x 10.97mmWT Butt Welded Pipe</b>			
<b>Sample Drawn By: Customer</b>	<b>Sample Received on: 16/07/2023</b>		
<b>Condition of Sample: Cut length</b>	<b>Date of Completion of Test: 17/07/2023</b>		
<b>TCR PR Ref. No. PR/600/23/WQT</b>	<b>PQR No. PTA-PQR-P10H-P10H-02</b>		
<b>Welding Process: GTAW</b>	<b>Welding Position: 6G-Uphill</b>		
<b>Welder Name / ID: Shabbir Hussain Bashir Ahmed / PTA-01</b>	<b>Material Specification: ASTM A790 UNS S32205</b>		
<b>Test Method: ASTM 923-14 (Method C)</b>	<b>Environmental Condition: Temp- 21° C / Humidity – 42 %</b>		

Test Solution	Test Started On	Test Completed On	Test Duration
6 % Ferric chloride (FeCl <sub>3</sub> ) by mass	16/07/2023 15:02	17/02/2023 15:02	24 hr

### Test Details

Sample ID	E3682
Solution volume (ml)	1000
pH of solution	1.3
Test temperature (°C)	22
Material shape	Rectangular
Dimension: L x T x W (dm)	0.49 x 0.12 x 0.25
Surface area (dm <sup>2</sup> )	0.4243
Condition of edges	Ground
Surface treatment (Degreasing/Cleaning)	Cleaned with Magnesium Oxide with subsequent rinsing with acetone
Initial weight of sample (mg)	≈ 119019.4
Final weight of sample (mg)	≈ 119013.7
Mass loss (mg)	5.7
Mass loss per unit Area (mdd)	13.43
Acceptance criteria	Corrosion Rate ≤ 10mdd
Remarks	Unacceptable

Tested by:



Authorized Signatory:


