

## TEST CERTIFICATE

### AS PER EN 10204 TYPE:3.1

**CUSTOMER :** ICS ACSEAL GAR SRI- MOLDOVA

P.O./P.I. NO	PO No.:01-05/08/2019MD/05-08-19
INVOICE NO./DATE	EXP/19-20/393/31-08-19
QTY.(Kgs.)	940.00

**Brand/Grade:** SUPER OPTIMAL 308L

**Size (mm):** 3.25X350

**Standard-No./ Classifications:** AWS A5.4 :E 308L-16

**Batch No/Heat No:** M 53165

**Date of Mfg:** 29-08-19

**Report No:** SUP 2019/4698

**Date of issue:** 31-08-19

#### All Weld Metal Chemical Analysis (%)

Element	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	Nb	V	N
Spec.	0.04 Max.	1.00 Max.	0.50- 2.5	0.03 Max.	0.04 Max.	18.0- 21.0	9.0- 11.0	0.75 Max.	0.75 Max.	-	-	-
Result	0.025	0.92	0.75	0.020	0.020	19.20	9.70	0.10	0.19	-	-	0.071

#### Mechanical Properties of All Weld Metal

	Yield Strength (N/mm <sup>2</sup> )	Tensile Strength (N/mm <sup>2</sup> )	Elongation (%)	Charpy Impact Avg. value(Joules) Temp. At --- (°C)	Hardness (As welded)	Ferrite(FN) as per WRC-1992
Spec:	-	520 Min.	30 Min.	-	-	-
Result	-	628	41.82	-	-	6

Diffusible Hydrogen:- (ml/100gm of weld metal)	--	Coating Moisture(%):-	--
Radiography:-	Satisfactory	Fillet weld Test:-	Satisfactory
Bend Test:-	--	PWHT:-	--

**Intergranular Corrosion Test as per ASTM A 262:2008 Practice E** :Acceptable

**TEST CUNDUCTED AS PER :** AWS-SFA:5.4 E 308L-16

We certify that the statement in this test report are correct and that the test welds were prepared welded and tested in Accordance with the requirement conforming to ASME BPVC.II.C Latest Edition 2017,in all respects.



**Manager Quality Assurance**