SUNRISE GROUP
The Dawn of New Era in Stainless Steel
AN ISO 9001 EMS : 14001, 18001 CERTIFIED COMPANY

SUNRISE STAINLESS PVT. LTD.
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INSPECTION CERTIFICATE

(PED 2014/68/EU) & (AS PER EN 10204 Type 3.1)

T.C.NO	SSPL/EXP/22-23/242-09			**DATE :**		18-08-2022
CUSTOMER	ALLIED STAINLESS GROUP INC.					
WO NO	20124-M			**DATE :**		06-02-2021
P.O.NO	PO22230	**Po.Sr. No.**	12	**DATE :**		06-02-2021
PRODUCT	STAINLESS STEEL WELDED ANNEALED & PICKLED ROUND PIPES			**PARTY PRODUCT CODE:**		4IWSS.5
SPECIFICATION	AS PER ASTM A312-21 / ASME SA312-21 NACE MRO103; NACE MRO175			**GRADE :**		TP304/304L

PRODUCT CODE:	**DESCRIPTION OF PRODUCT**	**Nos**	**Total FEET**	**Total Kgs**
GW10012-40S	1/2"NB (21.34mm OD) X SCH40S (2.77mm THK) X 20 FEET LONG	67	1340	481.00

CHEMICAL COMPOSITION

Heat No	**Chemistry**	**C %**	**Si %**	**Mn %**	**P %**	**S %**	**Ni %**	**Cr %**	**Mo%**	**N%**	**OTHER (Pb)**
	Required	---	---	---	---	---	8.000	18.000	---	---	<100
		0.035	1.000	2.000	0.045	0.030	13.000	20.000	---	---	
Y211213C40-1	**H**	0.024	0.330	1.150	0.026	0.001	8.020	18.030	---	-	66
	P	0.025	0.360	1.170	0.030	0.003	8.028	18.040	0.056	0.062	

PHYSICAL TEST

Parameter	**Tensile Test**	**Y.S.**	**U.T.S**	**Elongation %**	**Hardness**	**IMPACT TEST -N/A**				
		(Mpa)	**(Mpa)**	**(G.L: 50 mm)**	**Test(HRB)**		**1**	**2**	**3**	**Avg.**
Heat No	**Required**	205	515	35%	90	**WELD**	---	---	---	---
						HAZ	---	---	---	---
		MIN	MIN	MIN	MAX	**PARENT**	---	---	---	---
Y211213C40-1	EXP/20124-AM/12-A	260.00	591.00	55.14%	65	---	---	---	---	---
	EXP/20124-AM/12-B	271.00	598.00	55.23%	68	---	---	---	---	---

FLANGE TEST	N/A
FLATTENING TEST	OK
FLARING TEST	N/A
PREN VALUE	19.46 =(1 x Cr%)+(3.3 x Mo%)+(16 x N%)
BEND/R.BEND	N/A
HYDROSTATIC TEST	OK (Done at 2500 PSIG)

Remarks :-

Solution Annealing Done at 1040° C Minimum followed by immediate Water Quenching.
Pickling & Passivation carried out as per ASTM A-380 Found satisfactory.
100% Dimension & Visual checked by SSPL As Per ANSI B16.19 & 36.10,ASTM A999 & ASME SA312/ASTM A312 & Found Satisfactory
100% Hydrostatic Test carried out by SSPL As Per ASTM A999 & ASME SA 312 / ASTM A 312 and Found Satisfactory
Product analysis carried out by NABL lab and reviewed by SSPL As Per ASME SA312/ASTM A312 and Found Satisfactory
Lead(Pb) Content carried out by NABL lab and reviewed by SSPL As Per ASME SA312/ASTM A312 and Found Satisfactory
Mechanical Testing carried out by SSPL As Per ASME SA312/ASTM A312 and Found Satisfactory
Hardness Test carried out by SSPL & meet requirement of NACE MRO103-12; NACE MRO175-09 and Found Satisfactory
100% PMI Test carried out by SSPL As Per ASME SA312/ASTM A312 and Found Satisfactory
Marking on Pipes: "UL LOGO"CLASSIFIED WATER QUALITY SS PIPE 23° C ANSI / NSF61 MH64547
LOGO MFG_NPS X SCH_s X _ LONG WELDED ASTM A312/ASME SA312 TP __ HEAT NO. _ .
done by Mfg. : Found Satisfactory
The material Described above is free from Mercury & Radioactive Contamination.
We here by certify that material Passed according to ASTM A262 Practice "E".
Microstructure reveals equated Austenitic Grains, ASTM Grain Size: No. 6-7, No Carbide Precipitation observed on Grain Boundaries.
PED 2014/68/EU CERTIFICATE NO: 07/203/1409/WP/1791/20 VALIDITY: JANUARY 2023.
Country of melt: Indonesia

ABBREVIATION: H - Heat Test **P -** Product Test, **RL-** Random Length, **N/A-** Not Applicable, **MFG-**Manufacturer

SUNRISE STAINLESS PVT. LTD. A Party QUALITY

Tested By

Approved by
authorised WI Pratik Shah

We hereby certify that the material described herein are in accordance with the specification and that results comply with the requirements of the specification

BUNDLE NO.											
	SRM-6004	SRM-6005									