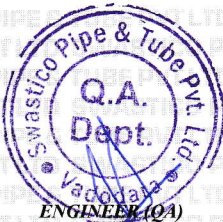
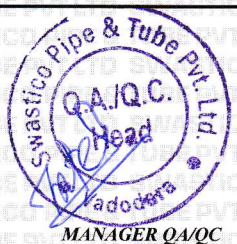


TEST CERTIFICATE

(AS PER EN 10204-3.1)

T.C.NO	SWASTICO / QC / 3889 / 2024-2025		DATE :- 16/07/2024													
CLIENT'S NAME	NAVDEEP STEEL PVT LTD															
PO NO	VERBAL		DATE :- 15/07/2024													
WO NO	SPT/24-25/330		DATE :- 15/07/2024													
PRODUCT	AUSTENITIC STAINLESS STEEL PIPES		TYPE:- ERW													
SPECIFICATION	ASTM A-312 : EDITION 2017		GRADE :- TP-304													
PO. No.	DESCRIPTION OF PRODUCT	Length		Total Quantity												
		MTRS R/L	Nos.	KGS												
1	5 " NB X SCH 10	6.0-6.1	10	618.00												
2	5 " NB X SCH 10	6.0-6.1	42	2580.00												
3	5 " NB X SCH 40	6.0-6.1	11	1143.00												
4	5 " NB X SCH 40	6.0-6.1	7	721.00												
CHEMICAL COMPOSITION																
Heat No	Chemistry	C %	Si %	Mn %	P %	S %	Ni %	Cr %	/	/						
	Required	0.080	1.00	2.00	0.045	0.030	8.00- 11.00	18.00-20.00	/	/						
		(Max)	(Max)	(Max)	(Max)	(Max)										
Y2309250907A	P1	0.060	0.340	1.070	0.035	0.003	8.000	18.240	/	/						
Y2309250901B	P2	0.051	0.340	1.070	0.035	0.004	8.010	18.220	/	/						
Y2310215121	P3	0.048	0.330	1.030	0.031	0.003	8.020	18.090	/	/						
Y2401071101B	P4	0.048	0.380	1.080	0.024	0.001	8.030	18.180	/	/						
PHYSICAL TEST						IMPACT TEST -N/A										
Parameter	Tensile Test	Y.S.	U.T.S	Elongation %	Hardness											
		(Mpa)	(Mpa)	(G.L: 50 mm)	Test(HRB)	---	---	---	---	---						
		205	515	35%	90	---	---	---	---	---						
Heat No	Required	(MIN)	(MIN)	(MIN)	(MAX)	---	---	---	---	---						
Y2309250907A	P1	280.99	584.32	55.98%	76-77	---	---	---	---	---						
Y2309250901B	P2	281.33	586.67	56.68%	76-79	---	---	---	---	---						
Y2310215121	P3	279.97	585.11	56.18%	77-79	---	---	---	---	---						
Y2401071101B	P4	282.04	586.02	55.95%	77-78	---	---	---	---	---						
TENSION TEST			Satisfactory	FLATTENING TEST			Satisfactory									
Remarks :-																
** 100% Visual & Dimensional Inspection of Pipes checked by M/s. SPTPL - Found satisfactory.																
** Heat Treatment - Solution annealed at 1040°C (Min.) Temp. quenching in water.																
** 100% Hydro Static test was carried out by M/s. SPTPL at Pressure (Sr. No. P1 & P2 -750 PSI ,P3 & P4 - 1400 PSI) - Found Satisfactory.																
** All Pipes are Pickled & Passivated condition - Found satisfactory.																
** Marking on Pipes as "SWASTICO, SIZE ,TYPE, SPEC, GRADE, , HEAT No."																
** We hereby certify that the material herein described has been inspected in accordance with above size,Specification & Purchase order requirements.																
ABBREVIATION:- P - Product Analysis, R/L - Random Length, N/A - Not Applicable																
 ENGINEER (QA)  MAKE IN INDIA  MANAGER QA/QC																